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County of Los Angeles CHIEF EXECUTIVE OFFICE

713 KENNETH HAHN HALL OF ADMINISTRATION
LOS ANGELES, CALIFORNIA 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

December 14, 2007

To: Supervisor Yvonne B. Burke, Chair
Supervisor Gloria Molina
Supervisor Zev Yaroslavsky
Supervisor Don Knabe
Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

YVONNE B. BURKE
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

FEASIBILITY OF ADOPTING EPEAT (ELECTRONIC PRODUCTS ENVIRONMENTAL ASSESSMENT TOOL) AS A COUNTY STANDARD FOR ACQUISITION OF COMPUTER PRODUCTS

On October 23, 2007, on motion of Supervisor Burke, your Board instructed this Office, in coordination with the Director of the Internal Services Department (ISD) and Chief Information Officer (CIO), to report back to your Board on the feasibility of requiring that newly acquired desktops, laptops, or other office computing products be EPEAT (Electronic Products Environmental Assessment Tool) compliant, minimally at the Bronze environmental performance ranking.

Summary

EPEAT is basically a set of voluntary environmental performance criteria for desktops, laptops and computer monitors. Manufacturers register their products, as well as the various environmental criteria they meet. The Green Electronics Council, an independent nonprofit organization that operates the EPEAT system, periodically reviews products to ensure they meet the stated criteria. There are three levels of certification; bronze, silver, and gold. Our review concludes that:

- EPEAT is consistent with the objectives established in the County's Energy and Environmental policy.
- The County's current computer agreement vendors already have, or nearly have, complete catalogues of EPEAT certified products at the bronze level of certification.

- These vendors do not charge a price premium for these products.
- There is sufficient time to allow for the establishment of a bronze level of certification prior to our next County Consolidated Computer Purchase Program solicitation scheduled for February 2008. ISD and CIO will include the standard in this solicitation.
- The County's purchasing standard for computer equipment should be at least EPEAT certification at a bronze level. ISD will modify its procedures to reflect this standard. In addition, ISD will continue to monitor the industry for purposes of determining the appropriate time to further strengthen the standard (i.e., to silver or gold certification).

In addition, as a component of the County's Energy and Environmental policy adopted by your Board, ISD has started a green purchasing program. In June 2007, ISD issued guidelines to County departments related to the procurement of environmentally preferable products. Concurrently, ISD has been working with other governmental purchasing groups and agencies to review and determine appropriate environmental standards and certifications for a multitude of product and service categories, including the use of the EPEAT standard.

The remainder of the report provides additional detail on this topic.

Description of the EPEAT Standard

Electronic equipment can have significant environmental impacts throughout the entire life cycle, from production, through use, to disposal. Acquiring environmentally preferable equipment can reduce energy consumption, reduce pollution from energy production, and reduce general and environmentally sensitive waste. EPEAT assists in the identification of environmentally preferable products that have been designed to have environmental benefits throughout their lifecycle.

The EPEAT standard includes 23 required criteria and 28 optional criteria. A computer product is awarded a "Bronze" rating if it meets all required criteria, which includes the following areas:

- 1) Reduction/elimination of environmentally sensitive materials – the product must comply with requirements for the restriction of hazardous materials including cadmium, mercury, lead, and brominated flame-retardants.

- 2) Materials selection – the declaration of recycled or bio-based plastic content and product weight.
- 3) End-of-life design – the product must be designed for easy disassembly, made of at least 65 percent reusable/recyclable materials and provide information for recyclers regarding materials with special handling needs.
- 4) Energy conservation – the product must comply with Energy Star specifications.
- 5) Life-cycle extension – an additional 3-year warranty must be available for purchase, and the product must be upgradeable with common tools.
- 6) End-of-life management – the product must include the option to purchase, at a competitive price, a take-back or recycling service that meets EPA environmental standards.
- 7) Corporate performance – the manufacturer must have an environmental policy, an environmental management system, and an environmental reporting system.
- 8) Packaging – no heavy metals can be added to any packaging component, easily separable materials, declaration of recycled content, optional criterion for manufacturer take-back of packaging materials for re-use or recycling.

Existing Products and Suppliers on County Agreements

Under the current County agreements, all four (4) manufacturers have product offerings that are registered and certified with EPEAT at the minimum of a “bronze” rating.

Based on the above, the adoption of the EPEAT “bronze” standard would not present a significant negative impact on the County’s existing products or product suppliers on County agreements.

EPEAT Requirements and Timelines for Manufacturer Certification

According to the EPEAT criteria, a manufacturer can apply for, submit verification material, and be registered for products by EPEAT within 30 days.

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The next County consolidated computer purchase is scheduled for February 2008. This provides any manufacturer with more than 60 days to bring their products within the EPEAT compliance standards and receive certification in order to participate in the next bid cycle. Since the bid cycle for the consolidated computer purchase program runs every six-months, no manufacturer who makes the effort and obtains certification within a reasonable time frame would be adversely impacted from participating in the County solicitations.

Conclusion

Adopting the EPEAT "bronze" standard in our solicitations and purchases of computer products is feasible and is consistent with the County's Energy and Environmental Policy. As such, ISD will include this standard in its purchasing guidelines.

If you have any additional questions, please contact me or your staff may contact Joe Sandoval, ISD's Purchasing Division Manager at (323) 267-2670, or via e-mail at JSandoval@isd.lacounty.gov

WTF:LS:os

c: All Department Heads



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April 10, 2008

To: Supervisor Yvonne B. Burke, Chair
Supervisor Gloria Molina
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Supervisor Michael D. Antonovich

From: William T Fujioka
Chief Executive Officer

A handwritten signature in black ink, appearing to read "W. T. Fujioka", is written over the printed name and title.

REPORT TO THE BOARD ON METHODOLOGIES TO QUANTIFY BENEFITS AND ENSURE AB 32 COMPLIANCE AND STEPS TAKEN TO PERIODICALLY AND EASILY UPDATE OF ALL COUNTYWIDE ENERGY AND ENVIRONMENTAL POLICIES AND ACTION PLANS

On October 23, 2007, the Departments of Regional Planning, Public Works, and Internal Services provided reports and a presentation to your Board on County activities that support implementation of Assembly Bill (AB) 32 - California's Global Warming Solutions Act of 2006. The following presentations were made:

- Los Angeles County Draft General Plan, Air Resources and Global Warming Section of the Conservation and Open Space Element,
- Green Building for the Unincorporated Areas of Los Angeles County,
- Presentation to the Board of Supervisors on Efforts to Improve Energy Efficiency and Combat Global Warming.

At that same meeting your Board instructed the Chief Executive Office (CEO) to report back by April 15, 2008 on the following:

- The methodology that will be used to initiate the calculation of the quantifiable savings and effectiveness of these policies and actions plans as they relate to satisfying the goals of AB 32; and

- What steps are in place, and being taken, to ensure that the ordinance and/or programs and accompanying green building guidelines and checklists are designed as "living documents" so they can be periodically and easily updated (as needed) to address changes in technology and available information.

This report describes the current status of AB 32 regulatory proceedings and especially the status of Greenhouse Gases (GHG) reporting procedures that are being used by other entities and local governments to voluntarily quantify their GHG responsibilities. The State is in the process of certifying reporting processes that will be used to calculate savings and effectiveness of the County's programs and action plans that mitigate climate change.

This report also discusses the reports currently being developed by the County in response to AB 32 and describes the policies, programs, projects, and activities that may be part of the County's future reporting (voluntary or mandatory) pursuant to AB 32 regulations.

Recommendations on how the County can ensure its policies and programs will be periodically updated and how the benefits of the climate change policies and programs will be quantified are also included in this report.

Introduction - AB 32 Overview

California's Global Warming Solutions Act (AB 32), which your Board supported, was signed into law in 2006. It requires that production of GHG in California be reduced to 1990 levels by the year 2020; an estimated 30 percent total reduction. Most GHG are produced through the combustion of fossil fuels (e.g., natural gas, gasoline). County operations and programs will be affected significantly by the implementation of this landmark legislation which will be accomplished through S Leadership in Energy & Environmental Design Statewide rulemaking. AB 32 designates the California Air Resources Board (CARB) as the State's lead agency for developing and implementing the rules and regulations to enforce this legislation. Specifically, CARB will develop a general plan of action, known as a Scoping Plan, by the end of calendar year 2008.

The Scoping Plan will identify the main strategies to reduce GHG and will include a range of controls to implement the strategies including direct regulation, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms. The Scoping Plan's strategies will address at least eight business and government sectors which impact GHG, including agriculture, electricity, forestry, land use and local initiatives, manufacturing, oil and gas, transportation, and waste management.

Prior to imposing any mandates or authorizing market mechanisms, CARB will evaluate impacts on California's economy, the environment, and public health. In addition, CARB will consider and assess implementation impacts related to equity between regulated entities, electricity reliability, conformance with other environmental laws, and disproportionate impacts to low-income communities. Significant milestone dates at CARB include:

- Establish a Statewide GHG emissions cap for 2020, based on 1990 emissions by January 1, 2008. *[Completed]*
- Identify and adopt mandatory reporting rules for significant GHG sources by January 1, 2008. *[Completed]*
- Adopt a Scoping Plan by January 1, 2009 indicating how emission reductions will be achieved from significant GHG sources through direct regulations, market mechanisms, and other actions.
- Adopt a list of discrete, early action measures by July 1, 2007 that can be implemented before January 1, 2010. *[Completed]*
- Adopt regulations by January 1, 2011 to achieve the maximum technologically feasible and cost-effective reductions in GHG, including provisions for using both market mechanisms and alternative compliance mechanisms.

Many details are still unknown regarding the County's responsibility to meet State reporting requirements and methodologies for reducing GHG and quantifying benefits. The questions listed below are of particular interest to the County as they relate to the Board's request on October 23, 2007. The answers to these questions are still being evaluated by the CARB and will undoubtedly be addressed by the CARB in the Scoping Plan.

- How will the State measure progress on GHG reductions;
- Who will have GHG reporting responsibility and what are the reporting requirements and formats/protocols;
- Will reporting be voluntary or mandatory for local governments;
- Will reporting protocols for local governments be different than other industries (e.g., utilities, landfills, refineries);

- Will local governments be responsible for reporting GHG reductions for their internal operations; for other non-government GHG producing sectors within their jurisdiction or the entire region (community-wide) or both;
- Will there be reporting protocols to quantify savings and benefits of local government policies and programs;
- What will be the role of local government in the development, implementation, and enforcement of GHG regulations?

On February 26, 2007, the CEO and ISD submitted a memorandum to the Board describing AB 32 and upcoming regulatory activities to implement and enforce its requirements. In that memorandum an internal action plan was laid out as follows:

"The County Energy & Environmental Team, created as a result of your Board's approval of the County's Energy & Environmental Policy on January 16, 2007, will coordinate the resources of the Internal Services Department (ISD), the Regional Planning Department, the Department of Public Works, County Counsel, and other involved departments to track the Statewide rulemaking proceedings; assess potential impacts to the County; and intervene when necessary on behalf of the County. ISD and the Chief Administrative Office (CAO) will monitor Federal legislation that may impact the State's implementation of AB 32. The CAO and Regional Planning will coordinate County AB 32 activities with the South Coast Air Quality Management District. Also, the CAO and ISD will coordinate with the California State Association of Counties, the Urban Counties Caucus, and other local governments, public agencies and mutual interest entities participating in these proceedings in an effort to maximize resources, present a unified position and keep other local governments and public agencies informed of the important issues."

In light of the new County governance structure, the action plan described above should be modified to indicate the CEO as the lead organization in coordinating the activities of multiple departments, especially related to tracking and monitoring AB 32 activities. Attachment I, County Energy and Environmental Activities, provides an illustration of how these activities may be categorized and managed. The activities involve internal County programs and external programs. All of these programs are managed by a variety of organizations; the County Energy & Environmental Team, ISD, Regional Planning, Public Works, and organizations within the CEO. This recommendation, other recommendations and a report on ongoing activities which respond to the Board's requests, are described below.

Recommendations and Action Items

Recommendations on how the County can quantify the benefits of its climate change policies and programs and how the County can ensure its policies and programs can be periodically updated are summarized below:

- The CEO shall assemble a multi-departmental sustainability organization (Sustainability Team) tasked with managing all of the County's energy and environmental activities (internal and Countywide) especially as they relate to reporting, quantifying, and providing status on AB 32 or other climate change program compliance, regulatory reporting, and internal and external communications. This Team differs from the Energy and Environmental Policy Team in that the Policy Team develops and implements programs only within County operations. The CEO shall designate an individual department with the authority to direct the activities of the Sustainability Team.
- The CEO shall generate a single report describing the status of all ongoing County policies, programs, projects and activities that support AB 32 and mitigate climate change. The CEO shall send this report to the Board every six months and it will replace or consolidate all other individual reports requested by the Board (on a regular basis) that provide similar status or updates.
- To provide general descriptions, new information, updates, and additional details in a more timely manner, the CEO has requested ISD to develop, in consultation with other County departments, a website for all County energy and environmental policies, programs, projects and activities. The website will contain varying levels of information and details about these programs both for public information and for County-only viewing. The website will provide general descriptions, status and updates and will provide further information through links to documents and other department websites. The website will also include a "digital dashboard" which will show progress towards individual program or policy goals. ISD is developing this website and will produce an initial version by the end of this fiscal year.
- As stated earlier, formal proceedings are underway at various State regulatory agencies under CARB's leadership, to develop specific regulations to implement and enforce AB 32. The CEO will meet with all departments affected by AB 32 regulations and determine the necessary resources available to participate in the various workshops, conferences, review committees, and hearings. An initial report describing the various proceedings, the status of ongoing work and schedule of known activities is included as Attachment II.

- New climate change legislation is being proposed at both the Federal and State levels. The CEO's Office of Intergovernmental Relations (IGR) has and will continue to provide regular updates on new legislation that potentially impacts on AB 32 proceedings and County policies and programs. The CEO-led Sustainability Team will work with IGR to evaluate whether County advocacy is required. In addition, legislative policy (in conjunction with the Cool Counties Policy) to guide County advocacy will be developed on proposed climate change legislation.
- ISD should continue to use the California Climate Action Registry's Protocol for reporting its GHG consumption as a result of its internal operations; CARB accepts this protocol for voluntary reporting. ISD's Energy Management Division submitted a report to the Registry using their protocol for the County's 2006 internal operations.
- ISD will contract with the International Council for Local Environmental Initiatives (ICLEI) to utilize its existing protocols for community-wide GHG reporting and for quantifying the benefits of individual policies and programs. ICLEI assists many local governments for this purpose. ICLEI is also part of a CARB Committee tasked with developing reporting protocols specifically for local governments. This task can be managed and paid for by ISD's Energy Management Division.

Past Reports Describing Existing County Policies, Programs, Projects, and Activities

This section describes the various reports which have been generated by departments to regularly update your Board on the status of County programs and policies. These reports are not easily modified or updated to reflect changes in technology or information, i.e., designed as "living documents." For example, as Leadership in Energy and Environmental Design (LEED) Certification standards are modified in response to industry needs, the results and implementation of the County's green building ordinance and LEED program (for County facilities) may be changed, but the formal report describing the program changes will not be immediately documented. To meet the Board's requests, the recommendations above are needed in addition to periodic updates of these reports.

The County's ongoing activities which support climate change mitigation and future GHG reporting were described in a report presented to your Board on October 23, 2007 titled: Report on the Impact of the State Action Against San Bernardino County Regarding Its General Plan Update and The County's Efforts to Combat Global Warming and Improve Energy Efficiency. The report included attachments describing the following programs and which were presented to the Board that day:

- Los Angeles County Draft General Plan, Air Resources and Global Warming Section of the Conservation and Open Space Element (prepared by Regional Planning)
- Green Building for the Unincorporated Areas of Los Angeles County (prepared by Regional Planning and Public Works)
- Presentation to the Board of Supervisors on Efforts to Improve Energy Efficiency and Combat Global Warming (prepared by ISD)

Additionally, activities of the County's Energy & Environmental Policy Team (Team) have been reported to your Board (by ISD) every six months since the Team was created as part of the Energy & Environmental Policy. Reports were sent on August 1, 2007 and March 7, 2008.

The combination of all of these reports and other update reports sent to your Board by the CEO and collaborating departments describe energy and environmental activities that generally fall into these categories:

- Energy & Environmental Policy Team - manages activities to enhance County internal operations;
- County Capital Program Policy – implements the requirement for LEED Certification for County buildings and other sustainable capital projects;
- Green Buildings – includes development and implementation of the Unincorporated Areawide Green Building Ordinance which also includes Low Impact Design and Drought Tolerant Landscaping Standards, and may include other, new "green building" programs;
- Climate Change Legislative/Regulatory Activities – includes activities to track and participate in AB 32 regulatory proceedings and other climate change legislation;
- County Environmental Stewardship Programs – develops and implement other ongoing environmental programs Countywide (e.g., plastic bag and Styrofoam food container bans) or within County departments (e.g., enhanced paper and beverage container recycling; recycled content purchasing).

Attachment I, the County Energy and Environmental Activities matrix, illustrates in more detail the scope of ongoing work in each of these categories. This attachment also indicates the types of reporting the County may likely undertake to: explain what the County is doing to combat climate change, submit voluntary or mandatory reports per AB 32, quantify policy and program benefits, update these programs and policies to reflect changes, new goals and new information.

Consolidated Energy and Environmental Activities Report

As noted in the "Recommendations and Action Items" section of this report, the CEO will be issuing a consolidated Energy and Environmental Activities report to the Board every six months; this report will provide status and updates on all County programs and policies that address climate change, as well as identify and describe changes in legislation, regulations, industry issues, technology, and other areas that necessitate updating various County documents, programs, and related activities.

Description of Proposed Energy and Environmental Website

As also noted in the "Recommendations and Action Items", the CEO has requested ISD to develop a website that may provide easy access to all information on County policies, programs, projects, and activities that address climate change. The website will contain descriptions, status and "real-time" updates. The website is envisioned to be used by the public, as well as County employees, Board offices, other local governments, regulatory agencies, and others. Specific website features will include:

- Description of the County's climate change goals, strategies, policies, and programs;
- Description of all County policies, programs, projects, and activities for both internal operations and Countywide;
- Updates and status on ongoing efforts for all policies, programs, projects, and activities;
- High level communications to the public and other interested entities;
- Detailed information through web links to actual policies and program documents, departmental program websites, and other industry/agency websites

The website will also include a "digital dashboard" which will provide status and progress (quantitative or qualitative) on the County's climate change policies, programs, projects, and activities. Examples of status and progress reporting could include:

- Progress towards the County's energy consumption reduction goal (20 percent by 2015);
- Progress towards implementing recycling programs in all County facilities;
- Cool Counties performance or performance against other climate change benchmarks;
- GHG report results and progress towards the State's goal for GHG reduction (internal operations and Countywide);
- Purchases of green products and services;
- County buildings achieving LEED or other certification (new and existing).

The "digital dashboard" will utilize existing departmental databases and information from other sources to provide regular updates. Some updates can be provided immediately under automated processes. Updated information can be portrayed in the form of graphics, tables or other descriptive information.

Existing Reporting Protocols for GHG Responsibility and Benefits Quantification

Protocols for satisfying AB 32 reporting requirements are still under review at CARB. Presently no mandatory GHG reporting is required for any entity in the State. Some entities are currently participating in active carbon trading markets and are using reporting protocols that are certified and accepted for use in those markets. For now, all current GHG reporting is on a voluntary basis. The range of possible GHG reporting for the County, under AB 32 regulation, is as follows:

- Voluntary reporting for County internal operations,
- Mandatory reporting for County internal operations,
- Voluntary reporting for Countywide GHG responsibility (unincorporated areas only),
- Voluntary reporting for Countywide GHG responsibility (unincorporated areas plus cities),

- Mandatory reporting for Countywide GHG responsibility (unincorporated area or unincorporated areas plus cities).

The most widely used GHG reporting protocol in the State is established by the California Climate Action Registry (Registry). The Registry is a private, non-profit organization originally formed by the State. The Registry serves as a voluntary GHG reporting organization that promotes early actions to reduce GHG emissions by organizations. The Registry provides leadership on climate change by developing and promoting credible, accurate, and consistent GHG reporting protocols for organizations to measure, monitor, verify, and reduce their GHG emissions consistently across industry sectors and geographical borders. Registry members are well prepared to participate in market based solutions and upcoming regulatory requirements.

The CARB has stated that they will accept Registry certified GHG report results for entities that joined the Registry before calendar year 2007 as a formal report for quantifying past and current GHG responsibility. The County joined for this purpose and has submitted a report for 2006 operations. Characteristics of the Registry's reporting protocols are described below:

- The Registry's protocol only quantifies GHG for an entity's internal operations (i.e., not community-wide);
- There is no protocol for quantifying or reporting the GHG mitigation benefits of programs (i.e., energy efficiency projects, green building programs, green purchases);
- Certified registry reports for members who joined before calendar year 2007 will be accepted by CARB under possible future, mandatory reporting;
- The Registry's protocols are accepted by active carbon trading markets.

The ICLEI is an international association of local governments and national and regional local government organizations that have made a commitment to sustainable development. More than 700 cities, towns, counties, and other international governments comprise ICLEI's membership. ICLEI provides technical consulting, training, and information services to build capacity, share knowledge, and support local government in the implementation of sustainable development at the local level. Characteristics of ICLEI's reporting protocols are described below:

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- There is a reporting protocol for community (Countywide) reporting, cities and counties have used ICLEI for preliminary calculations or voluntary reporting for their region;
- There are reporting protocols for projects, programs and activities which may be used to show specific reductions in GHG responsibility;
- The protocols are not used for required reporting or emissions market trading.

Summary

This report has described the many ongoing activities underway within the County to combat climate change both within internal County operations and Countywide. A key recommendation is that the CEO must lead a team of department representatives to manage all of these ongoing activities and in support of the new County governance structure. The CEO will then consolidate all reports and updates into a single report to the Board. To expedite providing current information to all interested parties, a County Energy & Environmental website will be developed to describe updated information and changes in a more timely manner. Finally, the CEO-led Team will monitor and participate in ongoing State and Federal legislative and regulatory venues to keep current on all issues that may impact County policies and programs.

If you have any questions, please contact me or Lari Sheehan at (213) 893-2477, or via e-mail at lsheehan@ceo.lacounty.gov.

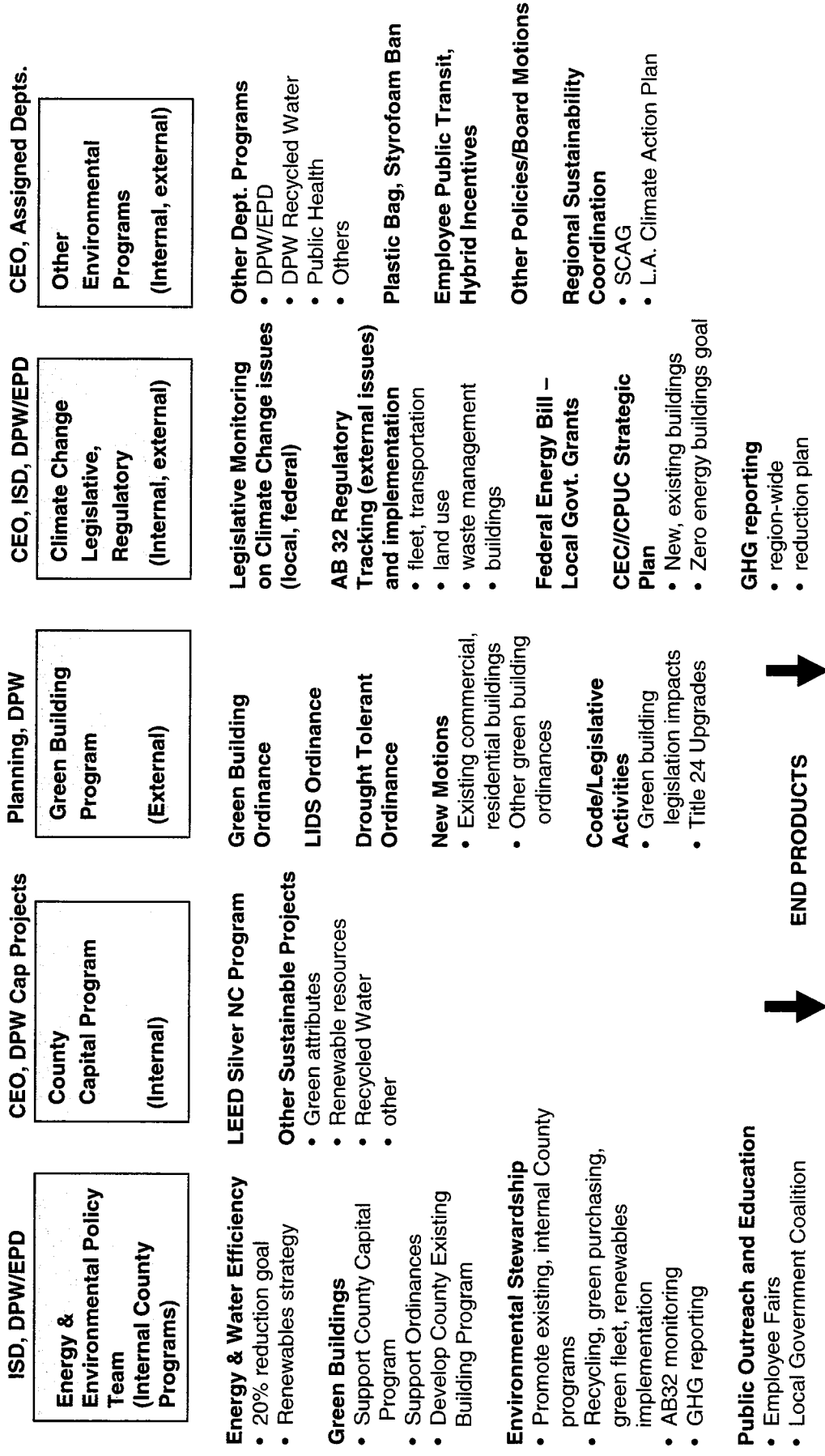
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Attachments (2)

c: Executive Office, Board of Supervisors
County Counsel
All Department Heads

ATTACHMENT 1

County Energy & Environmental Activities



Regular reports and updates to the Board, other agencies, public
 County General Plan: updates, revisions, Attorney General actions
 Climate Change/AB 32 Reporting: voluntary, mandatory, internal operations, region-wide
 Performance Monitoring and Measurement (Cool Counties, Institute of Local Govts.)
 County Role in Regional Sustainability Plan
 Emissions Market activities

STATE REGULATORY ACTIONS IMPACTING THE COUNTY OF LOS ANGELES

This section of the report discusses the current status of the various state agency regulatory actions ongoing to implement and enforce AB 32. The areas of greatest interest to the County and other local governments are discussed first. A description of each regulatory agency's proceedings and activities follows next.

Local Government Interests

1. Scoping Plan

The California Air Resources Board (CARB) is required to develop a Scoping Plan by January of 2009 to achieve maximum technologically feasible and cost-effective GHG reductions by 2020.

CARB has held three workshops; the fourth is scheduled for April 17, 2008. A draft Scoping Plan should be released in the summer of 2008 and CARB is scheduled to adopt the Scoping Plan at its November 2008 Board meeting. The County will have an opportunity to review the draft Scoping Plan, provide comments, and participate in potential hearings to discuss public comments.

2. Local Government Reporting Protocols

A public workshop was held by CARB on March 11, 2008 to address government-specific reporting protocols. CARB identified the following government activities/sectors for potential development of specific reporting protocols:

- buildings and facilities
- electricity or central plant heating/cooling production
- vehicle fleets
- street lighting and traffic signals
- water and wastewater treatment, collection and distribution
- waste management
- employee commuting

The protocols are intended to assist local governments in identifying GHG sources and in planning programs for GHG reductions. While the current process contemplates voluntary reporting, CARB indicate the issue of voluntary vs. mandatory reporting would be addressed in the Scoping Plan.

Also, CARB indicated there were no plans to develop a protocol for quantifying GHG savings and benefits from specific local government policies or programs. The desire and need for such a protocol will also be addressed in the Scoping Plan.

A local government workgroup has been established by CARB and a schedule proposed to adopt these protocols. The workgroup has until April 30, 2008 to develop the protocols. A public comment period to collect input on the draft protocols will be held during May, 2008. The second draft of protocols will be available for comment in June, 2008 and the final protocols are to be completed in August 2008. ISD's Energy Management Division will participate in the protocol review group, will provide documents for comment within the County, and will participate in public hearings as necessary.

3. Land Use Subgroup of the Climate Action Team (LUSCAT)

The LUSCAT subgroup hosted three workshops on land use, transportation and other related local government measures under consideration for possible inclusion into land use strategies of the Scoping Plan. The Los Angeles workshop was held on March 20, 2008 and was attended by ISD's AB 32 consultant. Drafts of the Scoping Plan will be reviewed by Regional Planning, Public Works and other appropriate County departments and agencies. Written comments and public testimony may be provided per the Scoping Plan in accordance with the Scoping Plan schedule.

4. Landfill Emissions

CARB conducted workshops on landfill emissions and methane collection and control systems. Potential policy options were also discussed which included limiting the scope of regulations for landfills based on size or amount of emissions. A final workshop was held March 24, 2008. A draft report will be published in September of 2008 and will be reviewed by the Departments of Public Health and Public Works. CARB expects to adopt the regulations in November of 2008 with effective date in the fall of 2009.

5. Vehicle Fleets

Emissions from vehicle fleets are being considered within the CARB group considering land use, transportation and related local issues. Reporting protocols relating to local government fleets are being considered by the local government workgroup described in Section 2 above; the government fleet protocols will be adopted according to the schedule outline for the local government workgroup.

California Air Resources Board Proceedings

In addition to overall coordination of the various State agencies tasked with implementing programs under AB 32, CARB is specifically responsible for certain programs themselves. CARB's regulatory responsibilities and current activities are described below.

1. "Discrete Early Action Measures"

The "Discrete Early Action Measures" that have been identified for regulation and enforcement are:

- A low-carbon fuel standard to reduce carbon intensity in the state's fuels;
- Restricting the sale of "do-it-yourself" automotive refrigerants;
- Requiring broader use of state-of-the-art methane capture technologies in landfills;
- Electrifying the ports and requiring docked ships to use electricity instead of auxiliary, shipboard engines for power;
- Requiring existing trucks and trailers to be retrofitted with devices that reduce aerodynamic drag and rolling resistance;
- Requiring proper tire inflation as part of overall automobile service;
- Banning the use of sulfur hexafluoride in non-electric sectors;
- Implementing standards to reduce global warming potential in consumer products;
- Reducing perfluorocarbons in the semiconductor industry.

CARB will propose and adopt the "Discrete Early Action Measures" regulations over the next 12-18 months; enforcement will begin in January 2010.

CARB has also identified 35 "Early Action Measures" that will be developed into regulatory proposals for adoption by their board over the next five years. Full descriptions of the "Discrete" and "Early" action measures are available in a 205 page CARB report which can be found at:

<http://www.arb.ca.gov/cc/ccea/reports/reports.htm>

2. GHG Reporting Requirements

CARB adopted regulations in December of 2007 that will require annual reporting of GHG emissions for the following types of facilities:

- Utilities (electricity, natural gas);

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- Cogeneration plants greater than 1 MW (this will include the County's Pitchess and Civic Center cogeneration plants);
- "Large stationary combustion sources" (may possibly include hospital and jail plants - this is being determined);
- Refineries and cement plants.

The report detailing the findings and justification for required GHG reporting can be found at:

<http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>

3. Mobile Sources

In September 2005, CARB adopted regulations to control GHG emissions from motor vehicles. The regulations are not effective, however, because the U.S. EPA denied CARB's request for a waiver of preemption under the federal Clean Air Act. Official notice of the EPA's denial was published in the Federal Register on March 6, 2008. (73 Fed. Reg. 12156 (2008))

4. 1990 Emissions Inventory

CARB approved a statewide 1990 GHG emissions inventory level in December 2007 which will be the State's 2020 GHG emissions limit under AB 32. The 1990 inventory estimates 427 million metric tons of annual gross GHG for the State, with transportation responsible for 35 percent, electric power production responsible for 25 percent and industrial responsible for 24 percent. Residential, agriculture and commercial uses are responsible for 7 percent, 5 percent and 3 percent respectively. However, these 1990 emissions levels do not necessarily represent the 2020 reduction targets for individual sectors (e.g., transportation, electricity) or facilities (e.g., refineries).

The report documenting the methodology and quantification of the 1990 emissions inventory can be found at:

<http://www.arb.ca.gov/cc/inventory/inventory.htm>

5. Cap and Trade (Emissions Market)

CARB received a report in July 2007 from its Market Advisory Committee on the design of a cap-and-trade system to reduce GHG in the State. A cap-and-trade system provides for the allocation and auction or trade of emissions reductions ("offsets") in a market environment. The amounts of available "offsets" are "capped" each year. The recommendations from the Market Advisory Committee included:

- The program should eventually include all major GHG producing sectors;
- “Offsets” of GHG emissions should be allowed if they can be proven to be real, additional, independently verifiable, permanent, enforceable, and transparent; “offsets” would not be limited to California;
- California should encourage linkages with other state and regional GHG markets.

CARB's Scoping Plan will determine a final “cap-and-trade” or other emissions market system as part of complying with AB32.

California Public Utilities Commission's Proceedings

The California Public Utility Commission (CPUC) is primarily addressing issues related to energy production including out-of-state power producers, in-state power producers, in-state utilities, and electricity and natural gas marketers. These issues are not key County interests except to the extent that the County becomes a producer of power for retail sale or delivery to end-use customers or for sale into wholesale markets.

Of interest to the County is the CPUC's adoption of a strategy to implement greater energy efficiency savings in the construction of new buildings in the State. In October 2007, the CPUC adopted two initiatives aimed at substantially reducing energy consumption in new construction. These initiatives would require energy consumption reduction in buildings that far exceed current LEED standards.

First, the CPUC adopted a “zero net energy” standard for new residential construction by 2020. “Zero-net-energy” assumes a building can achieve 100 percent of its energy needs from renewable or self-generation resources. Interim goals were adopted for this strategy: 50 percent of new homes shall achieve energy savings that meet Tier II standards of the California Energy Commission's (CEC) New Solar Homes Program by 2011. The Tier II Energy Efficiency Requirements are 35 percent energy savings above Title 24 (2005). Title 24 is the California Code of Regulations standard governing building standards. Section 6 governs energy efficiency standards for buildings and specifies energy performance levels for building materials, equipment and appliances.

Second, the CPUC adopted a “zero-net-energy” usage standard for all new commercial construction by 2030 which includes interim milestones:

- By 2011, 30 percent of newly constructed buildings would exceed Title 24 (2005) by 30 percent;
- By 2015, 50 percent of newly constructed buildings would exceed Title 24 by 30 percent;

ATTACHMENT II AB 32 STATUS REPORT

- By 2020, 20 percent of newly constructed buildings would demand "zero-net-energy;"
- By 2030, 100 percent of newly constructed buildings would demand "zero-net-energy."

The CPUC recognized that it has no jurisdiction over affected stakeholders. However, the decision ordered the utilities and the CPUC to work with stakeholders including the CEC, local government planning and building officials, the building industry, and labor on the development and implementation of this building energy standards strategy.

The CEC's 2007 Integrated Energy Policy Report adopts the CPUC's recommendations to require "zero-net-energy" performance in residential building by 2020 and in commercial buildings by 2030.

The proposed standards will most likely impact the County's own new facilities construction activities and will also require amendment of the County's building and development standards. Additionally, the Attorney General may take further action based upon the CEC's action to demand that cities and counties include these proposed standards in general plan updates as a means of reducing GHG emission.

California Energy Commission Proceedings

The California Energy Commission (CEC) released a staff report titled "The Role of Land Use in Meeting California's Energy and Climate Change Goals" in June 2007. It can be found at:

<http://www.energy.ca.gov/2007publications/CEC-600-2007-008/CEC-600-2007-008-SD.PDF>.

The report focuses on the linkages between land use planning and transportation as transportation accounts for 41 percent of the State's GHG emissions. The report also notes that land use planning approaches have varying influences on vehicle miles traveled (VMT), use of public transportation, walking, etc. The report states that California's urban planning has resulted in "excessive use of land per household, location away from transit and jobs, preferences for less dense housing, and site designs that required driving rather than walking."

The report expresses that a regional approach is needed in land use planning decisions. The report also predicts that the State will not meet its AB 32 goals unless VMT is reduced. The CEC held a workshop in June 2007 that provided a forum for discussion of its draft report. . The CEC plans on formulation policy recommendations for the Governor, the Legislature, other State agencies and utilities regarding land use policy changes that are necessary to meet AB 32 goals.

Attorney General's Legal Efforts to Reduce GHG Emissions

Attorney General (AG) Brown is very active in using the CEQA process to push for GHG reductions in new developments and projects. The AG has used two main tactics to force a reduction in GHG emissions: 1) submitting comment letters on the environmental impacts of large projects; and 2) filing lawsuits (or threatening to file lawsuits) against large projects on the grounds that GHG emissions were not properly addressed or mitigated.

The AG sued San Bernardino County to block its adoption of its General Plan. San Bernardino settled the lawsuit by agreeing to measures meant to reduce GHG emissions from the county's land use decisions.

The AG filed an appeal with the Contra Costa Board of Supervisors of a decision by the local Planning Commission to approve the proposed expansion of a Conoco Philips oil refinery. The AG alleged that the EIR failed to adequately address and mitigate the GHG emissions and climate change impacts of the projects. Conoco Philips settled with the AG by agreeing to reduce GHG emissions, implement energy efficiency measures, and providing \$7 million to the Bay Area Air Quality Management District carbon offset fund used for GHG-mitigation projects.

The AG is hosting a series of workshops throughout the State to address questions regarding how to analyze the GHG impacts of development, the mitigation strategies that should be employed, and how to undertake required analysis. The Los Angeles workshop is scheduled for May 15, 2008; County staff will be attending.

Integrated Waste Management Board (IWMB)

The IWMB is jointly developing with CARB a regulatory measure that will require landfill gas recovery systems on the few small to medium landfills that do not have such systems, and upgrade the requirements at landfills with existing systems. The regulation will be implemented by CARB.

The IWMB is pursuing several additional programs that would reduce GHG emissions including reviewing efforts to transition toward zero waste facilities through high level recycling and waste prevention. These strategies have been projected to provide significant GHG reductions by 2020. The IWMB is also providing funding for demonstration grants for Landfill Gas to Energy and Liquefied Natural Gas/Biofuels projects.

Department of Water Resources (DWR)

The DWR has been the least active of the State's lead agencies and has not instituted any rulemaking proceedings. Along with the State Water Resources Control Board, DWR held a public information meeting on Climate Change and Water Resources in August 2007. The DWR has published the following goals:

- Develop state/federal coordination with other agencies to coordinate strategies and development of internal programs (DWR and Reclamation) and external (CEC);
- Build coalitions with experts in climate change;
- Support state mandates;
- Assess impacts to the state's water resources under a range of climate change scenarios.



Tom Tindall
Interim Director

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To enrich lives through effective and caring service.



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July 23, 2008

To: Each Supervisor

From: Tom Tindall *Tom Tindall*
Interim Director

Subject: **ENERGY & ENVIRONMENTAL POLICY TEAM REPORT**

This memo provides an update on the accomplishments and activities of the Energy and Environmental Policy Team (Team) created through your Board's approval of the Countywide Energy and Environmental Policy (Policy) on January 16, 2007.

TEAM ORGANIZATION

The Team is led by the ISD and includes representatives from County Counsel, Chief Executive Office, Department of Public Works, Department of Parks and Recreation, Sheriff's Department, Public Library Department, Department of Health Services, Department of Public Health, Department of Community and Senior Services, Community Development Commission, Southern California Edison, Southern California Gas Company, and the Los Angeles Department of Water & Power.

The Team meets bi-monthly. Working committees have been established within each program area listed below and meet as necessary to accomplish the goals of the Policy.

- Energy and Water Efficiency Program
- Green Building Operations Program
- Environmental Stewardship Program
- Public Education & Outreach Program

Under the Policy, the Team develops energy and environmental programs for implementation into County facilities and operations. The Team also supports other departments on investigations and programs initiated by the Board including those that impact constituents Countywide or in County unincorporated areas.

RECENT ACCOMPLISHMENTS

The last report was submitted on February 21, 2008. The following is a summary of significant activities and accomplishments since that report.

- On November 6, 2007, your Board directed the CEO to report back annually on the direct savings generated by the County's energy efficiency projects. The attachment to this report responds to your Board's direction. Further information about the number, type, location and benefits of these projects can be found at <http://green.lacounty.gov>.
- The Team continues to monitor the statewide regulatory activities underway to implement AB 32, California's Global Warming Solutions Act. Two key documents have been published by the California Air Resources Board (CARB) for public comment. The Draft Local Government Operations Protocol provides methodologies for all local governments to develop a greenhouse gas report for internal operations. The Climate Change Draft Scoping Plan provides the "roadmap" for achieving statewide greenhouse gas reductions including quantities to be reduced by sector. An initial update report on AB 32 activities was sent to your Board on April 10, 2008 and a more current update is included in the attachment to this report.
- Team members are representing the County on a task force seeking to develop a Los Angeles Regional Collaborative for Climate Action and Sustainability. The goal of the Collaborative is to assemble regional organizations (public and private) to work together to effectively address climate change and foster, build and maintain sustainable communities. The task force includes participants from the County, City of Los Angeles, Los Angeles Unified School District, Metropolitan Transit Authority, Metropolitan Water District, UCLA, USC, Los Angeles Chamber of Commerce, and environmental advocacy organizations.
- On May 19, 2008, the CEO submitted to your Board a report which confirmed the feasibility of developing a pilot program to provide energy efficiency certifications and energy performance benchmarking for existing buildings throughout the County. These programs are proposed to be developed in conjunction with the implementation of statewide programs designed to meet the requirements of AB 32.
- The Chief Information Office (CIO) and ISD are investigating the feasibility of establishing a countywide "solar mapping" portal. The Solar Map would combine data from the CIO's countywide aerial imagery mapping project with solar energy measuring software to calculate energy savings from solar projects installed on building rooftops. The information would be made available on the internet and

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Page 3

would allow any building owner in the County (residential or commercial) to quickly receive information about the viability of installing a solar project.

- The Team, through ISD, has developed an internal website at <http://green.lacounty.gov> that describes County energy and environmental policies, programs, projects and activities. The website also includes a "digital dashboard" which shows progress towards the County energy efficiency program goal of reducing consumption 20% by 2015.
- The Team continues to support a variety of programs to include:
 - The implementation of an ordinance to phase-in green building certification, low impact design standards and drought tolerant landscaping for private development in unincorporated County (led by Regional Planning and Public Works).
 - The implementation of the County Capital Construction Program to certify new County buildings (>10,000 square feet) at the United States Green Building Council's LEED Silver level (led by the CEO and Public Works).
 - The tracking available local government funding for energy efficiency and climate change programs under the 2007 Federal Energy Bill and under a potential, national climate change bill (led by the CEO Intergovernmental Relations).
 - The limitation or ban on polystyrene food containers and plastic bags (led by the CEO and Public Works).
 - The creation of a Countywide Green Leadership Award to recognize individual and organizational achievements in environmental stewardship (led by the CEO).

Further details on these and additional Team activities and accomplishments are included as an attachment. If you have any questions, please contact me at (323) 267-2103 or Howard Choy at (323) 881-3939.

TT:h

Attachment

c: William T Fujioka, CEO
Ellen Sandt, DCEO Operations
ISD Board Deputies
[Department Heads](#)

ATTACHMENT

Key Activities and Accomplishments of the Energy & Environmental Policy Team July 23, 2008

This document provides information on the activities and accomplishments of the Energy and Environmental Policy Team (Team). The Team was created by the Board on January 16, 2007, when it adopted the Countywide Energy and Environmental Policy (Policy). The information in this attachment is presented under four main headings consistent with the Policy program areas:

- Energy & Water Efficiency
- Green Building Operations
- Environmental Stewardship
- Public Education & Outreach

ENERGY & WATER EFFICIENCY PROGRAM

This program seeks to reduce County facilities energy and water consumption and to meet the Policy's stated goal of 20% energy consumption reduction by 2015. In addition to the retrofit and retro-commissioning projects managed by ISD, energy savings will also be tracked through projects implemented by other departments, maintenance jobs that utilize efficient equipment, and new projects that specify higher efficiency equipment than normal.

The cumulative energy savings results for projects managed by ISD are included in the tables below and are described in more detail at the County's Energy & Environmental website. At the website, information is provided on progress towards the County's goal to reduce energy consumption by 20% by 2015. We are about 15% of the way towards accomplishing the goal.

Direct Savings from Energy Efficiency Projects

ISD serves as the County's central agency responsible for energy management issues, including implementing an energy efficiency projects program for County buildings. This program has been in place since FY 1994-95. The results of the program through FY 2007-08 are summarized in the table below.

Type of Project	# of Projects	Project Costs (millions)	Cumulative Savings (millions)
Lighting Retrofits	282	\$28.0	\$104.2
Lighting Controls	14	\$3.2	\$5.1
Heating/Air Conditioning Retrofits	32	\$16.2	\$13.6
Building Retro-commissioning	24	\$4.3	\$5.8
Totals	352	\$51.7	\$128.7

The table below shows energy project costs and savings realized by individual County departments.

Selected Projects in Grouping	Cost (\$)	Cost Savings (\$)		Summary
Department Name	Construction Cost (\$)	Electricity (\$)	Fuel (\$)	Overall Utility Savings (\$)
ADMINISTRATION				
OFFICES	\$3,937,603	\$11,705,019	\$740,587	\$12,445,606
AGRICULTURAL/W&M	\$62,644	\$404,534	\$0	\$404,534
ANIMAL CONTROL	\$157,084	\$400,067	\$0	\$400,067
ASSESSOR	\$111,265	\$431,683	\$0	\$431,683
CHILDRENS SERVICES	\$543,186	\$1,721,907	\$0	\$1,721,907
COMMUNITY SERVICES	\$19,598	\$42,655	\$0	\$42,655
DCFS/DPSS	\$401,771	\$985,950	\$0	\$985,950
DPSS	\$4,223,897	\$8,814,655	\$72,031	\$8,886,686
FIRE DEPARTMENT	\$450,949	\$1,081,049	\$0	\$1,081,049
HEALTH SERVICES	\$6,626,321	\$15,112,812	\$0	\$15,112,812
ISD	\$1,505,430	\$2,040,707	\$0	\$2,040,707
LIBRARY	\$767,566	\$1,060,202	\$99,027	\$1,159,229
MENTAL HEALTH	\$99,161	\$587,871	\$0	\$587,871
MUNICIPAL COURTS	\$6,290,112	\$10,936,231	\$530,300	\$11,466,530
PROBATION	\$3,093,397	\$4,213,066	\$0	\$4,213,066
PROBATION/ITS	\$855,725	\$9,768,350	\$0	\$9,768,350
REGISTRAR-RECORDER	\$1,198,756	\$3,101,676	\$0	\$3,101,676
SHERIFF	\$4,757,867	\$12,670,005	\$0	\$12,670,005
SUPERIOR COURTS	\$10,351,401	\$19,527,620	\$407,058	\$19,934,678
TRAFFIC COURTS	\$274,347	\$47,867	\$18,776	\$66,643
VARIOUS	\$6,016,721	\$22,094,894	\$10,011	\$22,104,904
GRAND TOTAL	\$51,744,800	\$126,748,824	\$1,877,790	\$128,626,616

A list of all of the projects implemented by ISD (including specific locations, project types and project specific costs and savings) can be found at the County Energy & Environmental website: <http://green.lacounty.gov/energy.asp>.

The tables do not represent all of the energy efficiency savings realized throughout the County as some departments implement projects on their own and those are not yet included in ISD's energy projects database. ISD is working with all departments to identify their energy savings projects and to include them in the database. ISD is also meeting with departments to offer project incentives using various funding sources so that more projects may be implemented.

Funding for the projects has been provided by budget appropriations, project financing, grants and utility incentives. ISD is currently managing new projects using State funding through its partnership with Southern California Edison and The Gas Company. Additionally, ISD will utilize anticipated litigation settlement funds in

FY 2008-09 and FY 2009-10 to implement energy efficiency projects primarily in Department of Health Services and Sheriff's facilities in Los Angeles Department of Water & Power service territory. We anticipate that future years' projects will continue to be funded by the County, through the State-funded utility partnership, with 3rd party energy project financing, and with Federal funding.

Water Efficiency and Conservation

On June 26, 2008, the Department of Public Works (DPW) sent a report to the Board recommending actions the County can take in response to the Governor's Statewide Drought Proclamation. The recommended actions are listed below. The Team will assist in developing a program to adopt best management practices, implement water efficiency measures throughout County facilities and track water savings achieved (items 6 and 7).

1. Declare a Countywide Water Supply and Conservation Alert urging County residents, businesses, and cities to intensify water conservation efforts to achieve a 15 to 20 percent reduction in water demand.
2. Update and adopt a Water Wasting Ordinance for unincorporated County areas and the Waterworks District's Phased Water Conservation Plan.
3. Direct all County departments to evaluate water usage, immediately implement conservation measures to reduce consumption by a target amount of 10 percent by December 31, 2008, and report back to your Board with recommended measures to reduce consumption by an additional 10 percent.
4. Send a five-signature letter to the Governor and leadership of the Legislature urging the State to expedite the award of bond funds from Propositions 84 and 1E to local agencies, including the County of Los Angeles.
5. Send a five-signature letter to the Governor and leadership of the Legislature expressing support for the Governor's Delta Vision which provides a comprehensive, sustainable management plan for the Delta that includes conveyance, expanded storage, ecosystem restoration, and conservation.
6. Direct the Chief Executive Officer through the Office of Recycled Water and the Energy and Environmental Policy Team in collaboration with ISD, DPW, DPR, Fire, Sheriff, and other appropriate departments to develop a recycled, non-potable water infrastructure plan for County facilities; the planning process to include consultation with appropriate water purveyors and waste water treatment agencies. The recycled water infrastructure plan should establish priorities based upon amount of potable water saved and include a funding analysis and recommendations.
7. Direct the Chief Executive Officer, working with the Energy and Environmental Policy Team and with input from water conservation specialists to ensure utilization of Best Management Practices, including LEED and LID, to develop a water conservation policy applicable to the retrofit, refurbishment, and new construction of County facilities and grounds.

GREEN BUILDING OPERATIONS PROGRAM

The Policy directed the CEO and Public Works to develop a sustainable design program for the County's Capital Construction Program and promote sustainable County operations practices. The Policy instructed the Team to provide support to this effort in the form of technical expertise in building operations and maintenance, environmental programs, and energy and water efficiency.

Standardized Building Automation Systems in New County Facilities

ISD and Public Works are implementing building automation system standards for new County buildings. These standards will ensure automation systems for air conditioning, lighting, and other building systems will be compatible with centralized building management and monitoring systems. These standards will also ensure compatibility with the ISD's EEMIS (Enterprise Energy Management Information System). EEMIS allows monitoring, archiving and reporting of facility operating information, including energy consumption and building equipment operating trends, through the internet. A demonstration of how EEMIS works can be found at the County's Energy & Environmental website: http://green.lacounty.gov/cms1_089395.asp#TopOfPage.

LEED EB (Existing Building) Studies

The Team has sponsored studies which evaluate the feasibility of certifying two County facilities under LEED EB: ISD Administration Headquarters and Public Works Headquarters Tower. LEED for existing buildings focuses on operation and maintenance practices such as: site sustainability, water and energy efficiency, indoor air quality, source waste reduction and waste diversion. Both studies conclude that LEED EB certification is feasible and recommend proceeding with certification. ISD and Public Works are currently seeking funding to implement LEED certification in their headquarters buildings.

ENVIRONMENTAL STEWARDSHIP PROGRAMS

These programs are intended to reduce the County's "environmental footprint" including reducing the amount of greenhouse gases produced, reducing the amount of source waste produced and increasing the amount of waste diverted from landfills as a result of County operations. County greenhouse gas reporting activities and legislative and regulatory tracking are also being coordinated within this program.

Greenhouse Gas Reporting

The County has joined the California Climate Action Registry (Registry) and has submitted a report quantifying the amount of carbon dioxide (CO₂) emissions produced in 2006 due to internal County operations from electricity use, stationary combustion fuels, and mobile combustion fuels. A report for 2007 operations is being developed.

The County, through ISD, has also joined ICLEI – Local Governments for Sustainability. ICLEI is an international association of local governments and national and regional local government organizations that have made a commitment to sustainable development. More than 880 cities, towns, counties, and their associations worldwide comprise ICLEI's membership. ICLEI provides technical consulting, training, and information services to build capacity, share knowledge, and support local government in the implementation of sustainable development at the local level.

ICLEI's program and project protocols will help the County evaluate the greenhouse gas savings benefits of the County's existing energy and environmental programs. In addition, ICLEI will help the County evaluate the greenhouse gas savings features of large projects and developments throughout the County.

ICLEI will also work with the County, and other local governments within the County, to investigate and develop a regional greenhouse gas report and mitigation strategy for the entire County.

Climate Change Regulatory and Legislative Activity – AB 32 Update

The California Air Resources Board (CARB) is the lead agency responsible for overseeing the implementation of AB 32's mandate to lower GHG emissions to 1990 levels by 2020. This June, CARB released two draft documents: the Draft Local Government Operations Protocol and the Climate Change Draft Scoping Plan.

Local Government Operations Protocol (Protocol)

The Protocol includes the procedures under which local governments may voluntarily report their greenhouse gas responsibility for internal operations. The Protocol defines the operational and financial criteria under which local governments are deemed to have control over greenhouse gas production. The Protocol also describes the methodologies for which greenhouse gases are to be measured in the following categories:

- Indirect emissions through facility electricity use.
- Direct emissions through stationary combustion at facilities.
- Emissions from mobile transportation.
- Refrigerant emissions from building and fleet air conditioning.
- Direct emissions from cogeneration/heating/refrigeration plants.
- Emissions from wastewater treatment plants.
- Emissions from landfills.
- Other indirect emissions as a result of: business travel, employee commuting, contracted services, purchases.

For now, all reporting by local governments under this Protocol are voluntary. The Protocol serves only as a statewide standard for calculating and classifying emissions. However, the County's three cogeneration plants at Pitchess Jail, Civic Center, and

Olive View Hospital will be required to complete annual emissions reports because of their size.

The Team is reviewing the Protocol and will provide comments to CARB and participate in public workshops and the formal proceedings to adopt the Protocol. The Draft Protocol may be found at: <http://www.arb.ca.gov/cc/protocols/localgov/localgov.htm>.

Climate Change Draft Scoping Plan (Scoping Plan)

The Scoping Plan is the State's "roadmap" indicating how and where greenhouse gas emissions reductions required under AB 32 will be achieved. It lists the amount of greenhouse gas emissions expected to be reduced through a variety of sector strategies. A large proportion of the emissions reductions will come from the transportation, electricity, natural gas, and large industrial sectors. For these sectors, emissions reductions would be achieved through a "cap-and-trade" program working in concert with traditional regulatory programs.

A "cap-and-trade" program would cap emissions from the largest greenhouse gas emitters beginning in 2012. Once the cap is established, CARB will determine the total amount of allowances – permits to emit a specified quantity of carbon – available in the program. CARB will likely freely allocate some allowances to the large emitters. Shortly thereafter, a majority of the allowances will be available through a statewide or regional auction and in combination with a carbon trading market. Regulated sectors/emitters will modify their operations or purchase allowances to reach their greenhouse gas targets. Entities that exceed their greenhouse gas goals or implement verifiable programs that reduce greenhouse gases may sell those reductions as "offsets" into the program or a carbon market.

The table below provides an indication of the amount of sector emissions produced in the State and where they are projected to be in 2020 without AB 32. The emissions are in millions of tons of carbon dioxide equivalents: MMTCO₂E. CARB has identified that 169 MMTCO₂E must be reduced from the 2020 projection in order to achieve 1990 levels of greenhouse gas production.

<u>Sector</u>	<u>2002-04 Average Emissions (MMTCO₂E)</u>	<u>Projected 2020 Emissions (absent AB 32) (MMTCO₂E)</u>
Transportation	179.3	225.4
Electricity	109.0	139.2
Commercial and Residential Buildings	41.0	46.7
Industrial	95.9	100.5
Recycling and Waste	5.6	7.7
High Global Warming Potential Gases (e.g., refrigerants)	14.8	46.9
Agriculture	27.7	29.8
Forest Net Emissions	-4.7	0.0
Emissions Total	469	596

The next table is from the Draft Scoping Plan and indicates which strategies are expected to produce the bulk of the required greenhouse gas emissions reductions by 2020. It shows that required modifications to light-duty vehicles sold in the State are expected. However, the State is awaiting approval from the Federal EPA in order to implement these restrictions. Under energy efficiency, most savings will be realized through revised building codes for new and existing buildings and through enhanced energy efficiency programs. Cogeneration (Combined Heat & Power - CHP) is listed as an important strategy. The County has significant cogeneration potential in its larger facilities (hospitals, jails, probation camps, data centers). The State's utilities will be expected to increase the amount of renewable resources in their energy supply portfolios (33% instead of 20% by 2020). Local governments are specifically identified to achieve a small amount of greenhouse gas emissions (2 MMTCO₂E) primarily through local and regional planning requirements and internal operations enhancements. Regulations for each program continue to be developed in the State's various regulatory agencies.

<u>Recommended Reduction Strategy</u>	<u>2020 Reductions (MMTCO₂E)</u>
AB 32 Required Emissions Reductions to Achieve 1990 Levels	169.0
California Light-Duty Vehicle GHG Standards* <ul style="list-style-type: none"> • Implement existing, legislated efficiency standards on vehicle manufacturers (Pavley I – pending EPA approval) • Implement Phase II GHG standards on vehicle manufacturers (Pavley II) * described in more detail in the Draft Scoping Plan (p. 20)	31.7
Energy Efficiency <ul style="list-style-type: none"> • Existing and new building and appliance energy efficiency and conservation • Increased cogeneration (Combined Heat & Power – CHP) • Solar Water Heating (AB 1470) 	26.4
Increase Utilities Renewable Portfolio Standard (from 20% to 33%)	21.2
Low Carbon Fuel Standard	16.5
High Global Warming Potential Gas Measures	16.2
Sustainable Forestry	5
Water Sector Measures	4.8
Vehicle Efficiency Measures	4.8
Goods Movement <ul style="list-style-type: none"> • Ship Electrification at Ports • System-wide Efficiency Improvements 	3.7
Heavy/Medium Duty Vehicles <ul style="list-style-type: none"> • Aerodynamic Efficiency • Vehicle Hybridization • Engine Efficiency 	2.5
Million Solar Roofs (Existing Program)	2.1
Local Government Actions and Regional Targets (Primarily through Land Use Planning)	2
High Speed Rail	1
Landfill Methane Control	1
Methane Capture at Dairies	1

The Team will consolidate comments on the Draft Scoping Plan and provide them to CARB in August of this year. Initial questions and comments that the Team will consider include:

- Should the County support, not support or remain neutral on the proposed “cap-and-trade” market?
- Should the County provide comments on the California Light-Duty Vehicle Standards strategy which requires manufacturers to provide the most efficient vehicles technically feasible; if this is not approved by the Federal EPA, alternative measures are contemplated that include:
 - Requiring vehicle manufacturers to meet expected emission reductions from other sources as a condition of vehicle certification in the State, and
 - Levying fees on the purchase of less efficient vehicles to be used as rebates on the purchase of more efficient vehicles.
- Funding programs which support more efficient new and existing buildings should include the role of local governments; these include: implementing internal and regional energy efficiency programs, implementing green building ordinances, enforcing new codes, promoting and marketing State programs.
- A significant stumbling block to implementing more cogeneration power plants has been the state’s electric utilities. Specific problem areas need to be re-assessed.
- How will the benefits of local government programs which are already under development or being implemented be measured, validated and certified as emissions reductions that either contribute to the State’s goal or be made available in emissions markets?
- The reductions anticipated from local governments land use planning programs are relatively small (2 MMTCO₂); this reflects a very low expectation that Regional Planning can impact the region’s Vehicle Miles Traveled.
- Are the public health benefits being accurately and completely considered in the prioritization of these strategies?

The Draft Scoping Plan can be found at:

<http://www.arb.ca.gov/cc/scopingplan/document/draftscopingplan.htm>

PUBLIC EDUCATION AND OUTREACH

This program utilizes the County’s communication and outreach channels to share utility industry information, facilitate implementation of subsidy and assistance programs, and spread energy conservation practices throughout the region.

Los Angeles Regional Collaborative for Climate Action and Sustainability

An important issue that is being discussed throughout the State revolves around how public agencies, educational institutions, research centers, businesses, environmental groups and others can collaborate on developing regional strategies, policies and implementation plans to reduce greenhouse gas production.

Representatives from ISD, Public Works, and the Board are representing the County on a task force seeking to develop a Los Angeles Regional Collaborative for Climate Action and Sustainability. The task force has drafted a Charter for this potential Collaborative.

The next steps of the task force are to continue to refine the Charter, develop specific tasks or projects that can and should be immediately undertaken and describe their benefits, identify and establish the Collaborative organizational and operational structure, and develop plans to promote the Collaborative and enroll members.

The task force was established and coordinated by a consultant, Next 10, using a private grant. Next 10 led the creation of a similar, regional organization: Sustainable Silicon Valley - <http://www.sustainablesiliconvalley.org/>. In addition to the County, the task force includes participants from the City of Los Angeles, Los Angeles Unified School District, Metropolitan Transit Authority, Metropolitan Water District, UCLA, USC, the Los Angeles Chamber of Commerce and other environmental organizations.

Existing Building Performance Certification and Benchmarking

On May 19, 2008, the CEO submitted to your Board a report, prepared by the Team, which confirmed the feasibility of developing a "Healthy Building and Energy Savings Certificate" or other building benchmark based on a model developed under the United Kingdom's 2007 Energy Efficiency Action Plan. The report describes a potential County pilot program which would provide energy performance certification in existing homes and energy benchmarking in existing commercial buildings. This pilot program is proposed to be developed in conjunction with State programs to implement energy performance certificates and benchmarking for existing buildings as part of the Climate Action Plan.

The California Energy Commission (CEC) and the California Public Utilities Commission (CPUC) recognize that substantial opportunities remain to cost-effectively improve the efficiency of existing buildings, particularly in older homes and commercial buildings. The CEC has prepared a collaborative action plan which seeks to increase energy efficiency in all building sectors through a combination of enhanced technologies, stricter building codes, increased consumer education, awareness and a program of financial incentives. This Plan also includes development and implementation of residential and commercial building energy performance ratings or benchmarks through two programs: the Residential Time-of-Sale Information Disclosure Program and the Commercial Building Benchmarking Program.

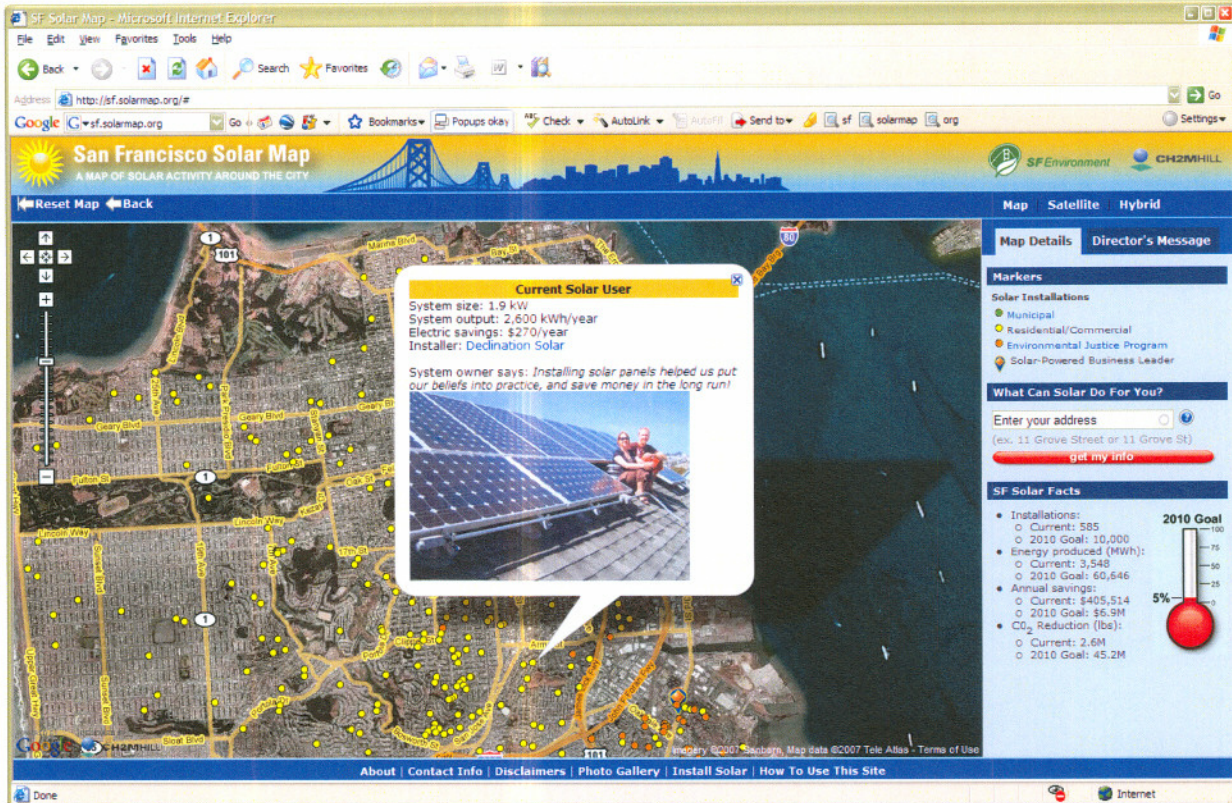
Under the Residential Time-of-Sale Information Disclosure Program, the State has established a program where sellers and buyers can have homes certified for energy efficiency performance using State approved procedures and contractors. Currently the programs are voluntary and are not well known. A potential County pilot program could mandate these certifications, provide further assistance, or make them easier to use.

Under the Commercial Building Benchmarking Program, commercial building owners are required by law (AB 1103) to provide an energy performance benchmark to prospective tenants or buyers. This program is not well known and many enforcement details are not yet determined. A potential County pilot program would provide building owners further assistance in utilizing the tools to benchmark their buildings.

The May report to the Board which can be found at: <http://green.lacounty.gov>, recommended that any County pilot program to assist the State in expediting residential energy performance ratings and commercial building benchmarking be done in conjunction with the CEC's and CPUC's programs. These State programs are being developed and will be enhanced under the plan laid out in the Climate Change Draft Scoping Plan.

Solar Mapping Project

Under a pilot program managed by the CIO and funded by an Information Technology Infrastructure Investment Fund Grant, the CIO and ISD will develop and deploy a Solar Map for Los Angeles County residents. A Solar Map utilizes existing aerial imagery, solar potential software and a solar engineering model to provide solar installation information for any building. San Francisco has developed a Solar Map web site that provides this information to building owners in the area. By typing in an address, residents and businesses are given the information to support their decision to install solar systems. An example of the information provided shown below. Their website is at <http://www.sf.solarmap.org>.



Under phase one of the County's pilot, the Solar Map will be utilized to develop detailed solar potential models (solar power and water heating) for County-owned facilities utilizing detailed building information contained in an existing aerial imagery database. A detailed solar potential estimate and return on investment calculation will be developed for County-owned buildings.

The second phase of the pilot will develop summary level solar potential information for every building in the County that is contained in the aerial imagery database. A website will then be established, which will provide general information on cost and benefits, where to obtain additional information and how to get started implementing a project. Depending on future costs, it may be possible to provide the detailed solar potential information for certain or all building owners – or to provide the detailed information to residents of cities with ongoing solar implementation programs (e.g., Santa Monica and Pasadena). ISD will work with the State, local utilities and other local governments to develop a solar web portal that will be useful to all constituents.



Tom Tindall
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To enrich lives through effective and caring service.

February 19, 2009

To: Each Supervisor

From: Tom Tindall *Tom Tindall*
Director

Subject: **ENERGY & ENVIRONMENTAL POLICY TEAM STATUS REPORT**

This memo provides a status report on the accomplishments and activities of the Energy and Environmental Policy Team (Team) created by your Board on January 16, 2007. Our last status report was issued in August 2008.

TEAM ORGANIZATION

The Team is led by the ISD and includes representatives from the Chief Executive Office, County Counsel, Department of Public Works, Department of Parks and Recreation, Sheriff's Department, Public Library, Department of Health Services, Department of Public Health, Department of Community and Senior Services, Community Development Commission, Southern California Edison, Southern California Gas Company, and the Los Angeles Department of Water & Power.

The Team meets bi-monthly. Working committees have been established within each program area listed below and meet as necessary to accomplish the goals of the Countywide Energy and Environmental Policy (Policy).

- Energy and Water Efficiency Program
- Green Building Operations Program
- Environmental Stewardship Program
- Public Education & Outreach Program

Under the Policy, the Team develops energy and environmental programs for implementation in County facilities and operations. The Team also supports other departments on investigations and programs initiated by the Board, including those that impact constituents County-wide or in County unincorporated areas.

RECENT ACCOMPLISHMENTS

The following is a summary of significant activities and accomplishments during the last six months.

- The Team is utilizing the County's Energy & Environmental Efforts intranet website to provide updates on the numerous County activities that support national, State, local and the County's own policies on energy and the environment. That site is: <http://green.lacounty.gov>. This status report will briefly describe current activities and updates and will reference this website for further details.
- ISD is working to make the green website a public internet site. The website describes all of the programs now underway; provides regular information updates; and introduces new efforts. The website also includes a "digital dashboard" which displays progress towards the County energy efficiency program goals and environmental program goals (especially in the area of recycling in County facilities). The target date for making the website public is March 1, 2009.
- The Team continues to monitor the Statewide regulatory activities underway to implement AB 32, California's Global Warming Solutions Act. Regulatory programs are being developed at the California Air Resources Board (CARB), the California Energy Commission, the California Public Utilities Commission (CPUC), and other State agencies. CARB has adopted a voluntary greenhouse gas reporting protocol for local government internal operations. CARB has also produced the AB 32 Scoping Plan to outline how the State expects to meet its greenhouse gas reduction targets. The County provided comments to CARB during the drafting of this initial Scoping Plan. These documents, and the County's comments submitted to CARB, can be found at the green website. A further description of the status of AB 32, and other key regulatory programs described below, are included on the Attachment.
- Additional key greenhouse gas legislation has been passed which will impact County operations, County programs, and the County's regional planning efforts. SB 375, signed into law this year, will integrate State greenhouse gas reduction goals and regulations into cities' and counties' regional planning efforts to reduce greenhouse gas production by vehicle travel. SB 97 seeks to incorporate greenhouse gas mitigation guidelines into the California Environmental Quality Act (CEQA) review of large projects. A description of these laws and the status of implementing them are included in the legislative update, attached. In addition, the green website contains updates describing these bills and their regulatory status.
- In October 2009, a Renewable Energy Policy Committee was established to begin **assessment and development of renewable energy programs for the County**. This includes supporting the State's goals for renewable energy; developing renewable projects on County-owned land and in new and existing County buildings; developing renewable energy programs for constituents; and investigating

collaborations with others on renewable energy projects. On February 3, 2009, on motion of the 4th District, as amended by the 2nd and 3rd Districts, the Board asked for specific input on the development of a County Renewable Energy Policy. The status of this Committee's efforts will be documented in the response to those motions, and on the green website.

- As indicated in the last status report, ISD and the CIO are nearing completion of a Solar Map, which will provide any building owner in the County with information about solar power installations. The Solar Map utilizes the data from the CIO's latest aerial imagery mapping project and solar power software to provide preliminary savings information from a solar power project. The Solar Map will also include information about project costs, installation details, and where to get more information on pursuing a solar installation. The Solar Map calculations have been completed and the final website is being finalized for a planned public roll-out of the website on Earth Day, April 22, 2009. This work will be integrated with programs developed by the Renewable Energy Policy Committee described above.
- Public Works and ISD are jointly applying for a Quality and Productivity Commission Investment Fund grant and loan to certify our headquarters buildings under the Leadership in Energy and Environmental Design (LEED) Existing Building (EB) guidelines. The pilot project requests \$200,000 in grants and \$250,000 in loans, combined with department matching funds, to complete LEED certification. The request also includes a \$75,000 grant request to initiate a LEED EB training program for other department personnel. This effort continues earlier work to develop best practices program for existing County buildings.
- The Team continues to support a variety of County programs that are led by other organizations. These include:
 - Development of programs to limit or ban the use of polystyrene food containers and plastic bags (led by the CEO and DPW),
 - Implementation of an ordinance to phase-in green building certification requirements for private development in unincorporated County (led by Regional Planning and Public Works),
 - Implementation of the County Capital Project Program to certify new County buildings (>10,000 square feet) at the United States Green Building Council's LEED Silver level,
 - Tracking available local government funding for energy efficiency and climate change programs under the 2007 Federal Energy Bill and under the Federal Stimulus Package.

Each Supervisor
February 19, 2009
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- Creation of a Countywide Green Leadership Award to recognize individual and organizational achievements in environmental stewardship. The program is led by the Productivity and Quality Commission with assistance from the Energy & Environmental Policy Team. A description of this program can be found on the green website.

Further details on the Team activities described above are included as attachments and may be found at <http://green.lacounty.gov>. If you have any questions, please contact me at (323) 267-2101 or Howard Choy at (323) 881-3939.

TT:HC:z

Attachment

c: William T Fujioka, CEO
Ellen Sandt, DCEO
Department Heads

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Summary of Key California Climate Change Legislation

The status of implementing three major greenhouse gas bills is described below. AB 32 has been summarized and updated to your Board since August of 2007. This summary primarily provides an overview of the status of the AB 32 Scoping Plan. SB 375 incorporates greenhouse gas reductions from vehicle miles travelled into land use regulation and planning. SB 97 incorporates greenhouse gas mitigation guidelines into the California Environmental Quality Act (CEQA) review provisions for the identification and mitigation of significant environmental impacts of projects. Various regulatory proceedings, workshops and seminars will be taking place throughout the State over the next two years as regulations are developed and implemented.

AB 32

In December of 2008, the California Air Resources Board (CARB) approved the AB 32 Scoping Plan. Development and approval of the Scoping Plan is a central requirement of AB 32, which requires California to reduce its greenhouse gas emissions to 1990 levels by 2020.

The Scoping Plan is built on the principle that a balanced mix of strategies is the best way to cut emissions by approximately 30 percent, and grow the economy in a clean and sustainable direction. A listing of the Scoping Plan strategies and the timeline for developing detailed regulations is at the end of this attachment.

An important component of the plan is a cap-and-trade program covering 85 percent of the state's emissions. This program will be developed in conjunction with the Western Climate Initiative, comprised of seven states and four Canadian provinces that have committed to cap their emissions and create a regional carbon market. Under a carbon market, emissions will be capped for regulated sectors and entities. In order to meet emissions targets regulated entities can reduce their own emissions or purchase emissions offsets from the market regulator or other regulated entities.

Additional key recommendations of the plan include strategies to enhance and expand proven cost-saving energy efficiency programs; implementation of California's clean cars standards; increases in the amount of clean and renewable energy used to power the state; and implementation of a low-carbon fuel standard that will make the fuels used in the state cleaner.

The plan proposes full deployment of the California Solar Initiative, high-speed rail, water-related energy efficiency measures and a range of regulations to reduce emissions from trucks and from ships docked in California ports. There are also measures designed to safely reduce or recover a range of very potent

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greenhouse gases - refrigerants and other industrial gases - that contribute to global warming at a level many times greater than carbon dioxide contributes.

The plan recommends targeted fees to fund the state's long-term commitment to AB 32 administration. CARB has begun developing detailed strategies to implement all of the recommended measures that must be in place by 2012.

California is the first state in the nation to formally approve a comprehensive greenhouse gas reduction plan that is required under statute and that involves every sector of the economy.

The plan is the product of an 18-month-long public process with scores of workshops and public meetings and hundreds of people testifying in person before the board. The County submitted comments on the Draft Scoping Plan; they are available at <http://green.lacounty.gov> as is the final Scoping Plan.

In addition, CARB has prepared a protocol to be used (voluntarily for now) by local governments for recording greenhouse gas production due to internal operations. The draft protocol and comments submitted by the County can be found at the green website.

SB 375

While AB32 focuses on energy, specific industries, and vehicle emissions, another piece of legislation, SB 375, was signed into law to address emissions from vehicle miles traveled. This is another landmark, greenhouse gas reduction legislation and will impact future development throughout the State. The focus of SB 375 is the reduction in greenhouse gases through the reduction of vehicle miles traveled by passenger vehicles through land use regulation and improved transportation opportunities. This reduction is to be accomplished primarily in four ways:

- Connecting regional planning to the existing regional transportation planning process
- Coordinating the regional housing needs process with regional transportation planning
- Providing incentives for local governments to implement the regional plans through funding opportunities
- Providing incentives for builders to comply with regional plans and consistent local plans in the form of streamlined California Environmental Quality Act (CEQA) processing

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One of the goals is to encourage local and regional planning agencies to develop "regional blueprints" to guide land use allocations. Land use planning in California has historically reflected a struggle between local jurisdictions (cities and counties), regional planning agencies (such as the Southern California Association of Governments (SCAG), State agencies with regional regulatory powers that affect local land use (like air quality management districts or Regional Water Quality Control Boards), and the State and federal governments themselves. By focusing on regional planning, SB 375 attempts to incentivize local governments to make land use decisions consistent with the plans developed by regional planning agencies.

SB 375 Process

The basic concept behind SB 375 is to coordinate two existing regional planning functions, the Regional Housing Needs Assessment (Housing Needs Assessment) and the Regional Transportation Plan, which are already the responsibility of Metropolitan Planning Organizations, and to add a new land use function designed to achieve GHG reduction targets. In Southern California the two Metropolitan Planning Organizations are SCAG and the San Diego Association of Governments (SANDAG). The process is as follows:

- The California Air Resources Board (CARB) will establish regional emission reduction targets for each region defined as a Metropolitan Planning Area by no later than September 30, 2010.
- Each Metropolitan Planning Organization must then develop a Sustainable Communities Strategy (SCS) to achieve these targets within its region, if feasible to do so. The SCS must identify areas sufficient to house regional population and projected growth, a regional transportation network, and a forecasted development pattern, which, when integrated with the transportation network, will achieve the greenhouse gas reduction targets.
- The SCS will be a part of the Regional Transportation Plan that is to be developed by each transportation planning agency. In general, these plans will be required to be completed in 2012. The Regional Transportation Plan is the key document for the allocation of federal transportation dollars to states and regions within states.
- If the SCS fails to achieve the targets, an Alternative Planning Strategy (APS) must be developed by the Metropolitan Planning Organization. The APS must achieve the targeted reductions. The APS, however, does not become part of the Regional Transportation Plan, which means that it serves as a mostly advisory document and will not affect transportation funding.

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- CARB then reviews the SCS and APS, if any. CARB can only approve or reject the Metropolitan Planning Organization's determination that the plan will achieve the regional targets. If CARB determines that a plan will not achieve the reduction targets, the Metropolitan Planning Organization shall revise its strategy or adopt an APS, if one has not already been adopted, and submit them to CARB for further review. The Metropolitan Planning Organization must obtain CARB acceptance that either the SCS or APS will achieve the regional targets.

Cities and counties are not required to incorporate the SCS or APS into local general plans, but a failure to do so will affect the availability of federal and State transportation dollars for nonconforming local agencies.

SB 375 Housing Element Law

SB 375 resolves past inconsistencies between regional transportation planning and regional housing plans by requiring that the regional housing needs assessments be considered in the development of the Regional Transportation Plan and that the Housing Needs Assessments be consistent with the Regional Transportation Plan development patterns. SB 375 attempts to adjust the time frames for the adoption of Housing Needs Assessments and Regional Transportation Plans so as to permit this coordination to occur. SB 375 also includes certain anti-NIMBY provisions limiting the ability of a local agency to turn down or render infeasible certain affordable housing projects. Finally, SB 375 mandates that cities and counties rezone properties to match their Housing Needs Assessment allocations within three years of the adoption of their updated housing element. A failure to rezone results in an automatic determination that the housing element is out of compliance.

SB 375 CEQA Streamlining Process

There are two types of CEQA streamlining processes available. Both require the adoption of an SCS or APS, which means that the streamlining will not be available until around 2012. The two types of streamlining are as follows:

- Residential and Mixed-Use Projects. For residential or mixed-use projects where at least 75% of total building square footage consists of residential use that are consistent with a CARB-approved SCS or APS, the CEQA documentation is not required to reference, describe or discuss growth-inducing impacts or project-specific or cumulative impacts on global climate change resulting from passenger vehicles.
- Transit Priority Projects. Transit Priority Projects are defined as projects that (i) consist of at least 50% residential use based on total building square footage (if the project includes between 26% and 50% nonresidential uses the project must have a floor area ratio (FAR) of not

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less than .75), (ii) provide a minimum net density of 20 units per acre, and (iii) are located within a half mile of a major transit stop or high-quality transit corridor included in a Regional Transportation Plan. A Transit Priority Project may qualify for one of these three CEQA "streamlines."

Transit Priority Projects which meet detailed specified criteria similar to those currently available for infill projects, not the least of which is that the project must be less than 8 acres and 200 units, are exempt from CEQA altogether.

Projects which do not qualify for a complete exemption but which have incorporated all feasible mitigation measures, performance standards, or criteria set forth in prior applicable environmental impact reports (EIRs) may qualify for a "sustainable communities environmental assessment" (SCEA) or a streamlined EIR. A SCEA is similar to a negative declaration with some key differences, including a requirement that the project include all feasible mitigation measures from previous environmental documents addressing the project and where cumulative impacts have been mitigated.

Projects which do not qualify for a SCEA may utilize a streamlined EIR, which is essentially a focused EIR that is not required to analyze off-site alternatives.

Where a Transit Priority Project has to undergo some CEQA review, SB 375 imposes limits on traffic mitigation measures that can be imposed on Transit Priority Projects by the local jurisdiction.

The implementation of SB 375 will be a challenge to all affected parties. This is particularly true of the building industry. Regional building organizations will have to take a far more active role in the regional planning process if industry concerns are to be considered. Project proponents may not be around when key planning decisions are made at the regional level, and therefore development advocates may find themselves working much earlier in the process before much different agencies (such as SCAG or the OCCOG) to advocate for where housing should be located and transportation facilities built. If the funding incentive works, local agencies will have to adhere to these regional plans and their ability to respond to specific project proposals will be significantly limited. This planning structure also has significant cost implications and raises key questions. How will needed infrastructure in infill areas be funded? How will affordable housing be financed? What will the impact of the regional planning paradigm be on land costs? What will be the cost implications of high-density development? Will the current economic situation compel the Legislature to backpedal on some or all of these strategies?

SB 97

Pursuant to SB 97 (Chapter 185, Statutes of 2007), the Governor's Office of Planning and Research (OPR) has released preliminary draft amendments to the

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CEQA Guidelines (Title 14, California Code of Regulations, Sections 15000 *et seq.*) concerning the analysis of greenhouse gas emissions. CEQA requires lead agencies to identify and mitigate a project's significant environmental effects where feasible.

SB 97 requires OPR to develop and transmit CEQA Guidelines concerning the mitigation of greenhouse gas emissions to the Resources Agency by July 1, 2009. In turn, the Resources Agency must consider, certify, and adopt such CEQA Guidelines by January 1, 2010.

In the announcement concerning the preliminary draft amendments, OPR notes that "the most difficult part of any greenhouse gas emissions analysis will inevitably be the determination of significance." The preliminary draft Guidelines do not identify a threshold of significance for greenhouse gas emissions, nor do they prescribe assessment methodologies or specific mitigation measures because CEQA reserves these considerations for lead agencies. OPR has, however, asked California Air Resources Board (CARB) technical staff to recommend methods to lead agencies for setting thresholds of significance.

Perhaps most significantly for the County, the preliminary draft Guidelines endorse programmatic mitigation plans, which would allow the County to impose uniform mitigation requirements across a variety of project sectors in support of the County's specific greenhouse gas reduction goals. This mitigation at a regional level, however, concerns environmental groups including the Sierra Club and the Natural Resources Defense Council. These groups instead endorse a hierarchical approach to mitigation, with project-level onsite mitigation being the preferred option.

Scoping Plan Measures Implementation Timeline
January 29, 2009

Row #	Scoping Plan Measure	Measure #	Page #	Responsible Agency (ies) (Lead in bold)	Projected Date Measure to be Adopted by Lead Agency	Implementation Date	Million Tons of GHG Reductions by 2020	Type of Action (Regulation, Voluntary etc.)
1	Pavley (AB 1493)	T-1	C-57	ARB	Sep-04	2009-2016	27.7	Regulation
2	Ship Electrification at Ports (Discrete Early Action)	T-5	C-66	ARB	Dec-07	2010	0.2	Regulation
3	Port Drayage Trucks	T-6	C-68	ARB	Dec-07	Beginning 2010	3.5*	Regulation
4	Limit High GWP Use in Consumer Products (Discrete Early Action): Pressurized Gas Duster GWP Limit of 150	H-4	C-179	ARB	Jun-08	2010	0.23	Regulation
5	Heavy-Duty Vehicle GHG Emission Reduction (Aerodynamic Efficiency) (Discrete Early Action)	T-7	C-73	ARB	Dec-08	Phased-In Schedule for large fleets: Beginning 2010; Final compliance 2013	0.93	Regulation
6	Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing (Discrete Early Action)	H-1	C-175	ARB	Jan-09	2010	0.26	Regulation
7	SF ₆ Limits in Non-Utility and Non-Semiconductor Applications (Discrete Early Action)	H-2	C-176	ARB	Feb-09	2010	0.1	Regulation
8	Reduction of Perfluorocarbons in Semiconductor Manufacturing (Discrete Early Action)	H-3	C-177	ARB	Feb-09	2012	0.18	Regulation
9	Tire Pressure Program	T-4	C-63	ARB	Mar-09	2010	0.55	Regulation
10	Low Carbon Fuel Standard (Discrete Early Action)	T-2	C-64	ARB	Apr-09	2010	15	Regulation
11	Landfill Methane Control Measure (Discrete Early Action)	RW-1	C-160	ARB	Apr-09	2012	1	Regulation
12	Water Use Efficiency	W-1	C-132	DWR, SWRCB, CEC, CPUC, ARB	Spring 2009	2020	1.4**	Regulation
13	Solar Reflective Auto Paints and Window Glazing	T-4	C-63	ARB	May-09	2012	0.89	Regulation
14	Stationary Equipment Refrigerant Management Program- Refrigerant Tracking/Reporting/Repair/Deposit Program	H-6	C-182	ARB	May-09	2010	11	Regulation
15	Energy Efficiency and Co-Benefits Audits for Large Stationary Sources	I-1	C-150	ARB	Oct-09	2010	TBD	Regulation
16	Sulfur Hexafluoride (SF ₆) Emission Reductions from the Electricity Sector and Particle AcceleratorsSF ₆	H-6	C-186	ARB	Dec-09	2012	0.1	Regulation
17	Mitigation Fee on High GWP Gases	H-7	C-189	ARB	Dec-09	2010	5	Regulation

*All of the T-6 measures together add up to 3.5 MMTCO₂e

**Not counted toward the 2020 total of 174 MMTCO₂e

Scoping Plan Measures Implementation Timeline
January 29, 2009

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18	Tire Tread Program	T-4	C-63	CEC	2009	2010	0.3	Regulation
19	Oil and Gas Extraction GHG Emission Reduction	I-2	C-153	ARB	2009	2015	0.2	Regulation
20	Transport Refrigeration Units Cold Storage Prohibition and Energy Efficiency	T-6	C-69	ARB	March-10	TBD	3.5*	Regulation (cold storage) and Guidelines (energy efficiency)
21	Foam Recovery and Destruction Program	H-6	C-185	ARB	Jul-10	2010	0.3	Regulation
22	Cap-and-Trade		C-11	ARB	Nov-10	2012	34.4	Regulation
23	Pavley II	T-1	C-57	ARB	2010	2017	4.1	Regulation
24	High GWP Reductions from Mobile Sources Low GWP Refrigerants for New Motor Vehicle Air Conditioning Systems	H-5	C-179	ARB	2010	2015	2.5	Regulation
25	Refinery Flare Recovery System Improvement	I-4	C-155	ARB	2010	2012	0.33	Regulation
26	Removal of Methane Exemption from Existing Refinery Regulations	I-5	C-156	ARB	2010	2012	0.01	Regulation
27	GHG Leak Reduction from Oil and Gas Transmission	I-3	C-154	ARB	2010	2015	0.9	Regulation
28	Alternative Suppressants in Fire Protection Systems	H-6	C-187	ARB , Cal Fire	Dec-11	2011	0.1	Regulation
29	Stationary Equipment Refrigerant Management Program- Specifications for Commercial and Industrial Refrigeration	H-6	C-183	ARB and CEC	2011 (CEC)	2012	4	Regulation
30	Low Friction Engine Oil	T-4	C-63	ARB	TBD	TBD	2.8	Regulation
31	Medium- and Heavy-Duty Vehicle Hybridization	T-8	C-73	ARB	TBD	TBD	0.5	Regulation
32	Reuse Urban Runoff	W-4	C-134	SWRCB	TBD	2020	0.2**	Regulation
33	Public Goods Charge for Water	W-6	C-136	DWR , ARB, CPUC, SWRCB	TBD	2012	TBD	Regulation
34	Water Recycling	W-2	C-133	SWRCB, DWR	TBD	2030	0.3**	Regulation
35	Feebates (in lieu of Pavley regs)	T-1	C-61	ARB	TBD	TBD	31.7	Regulation (if needed)
36	Refrigerant Recovery from Decommissioned Refrigerated Shipping Containers	H-5	C-181	ARB	2010	2012	0.2	Regulation/ Program
37	Solar Water Heating: AB 1470	CR-2	C-118	CPUC	2010	2020	0.1	Incentive

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**Not counted toward the 2020 total of 174 MMTCO₂e

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January 29, 2009

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38	Million Solar Roofs: 3,000 MW by 2017	E-4	C-120	CPUC, CEC, ARB	Current Program	Through 2016	2.1	Incentive
39	Residential Refrigeration Early Retirement Program	H-6	C-188	ARB	Dec-10	2011	0.1	Incentive Partnership w/ Utilities
40	Commercial Recycling	RW-3	C-161	CIWMB	2010	2020	5**	Mandate
41	High Speed Rail	T-9	C-85	HSRA	NA	2020	1	NA
42	Green Buildings	GB-1	C-142	DGS, ARB, CEC, CPUC, HCD	Ongoing	TBD	26**	NA
43	Enforcement of Federal Ban on Refrigerant Release during Servicing or Dismantling of Motor Vehicle Air Conditioning Systems	H-5	C-182	ARB	2009	2010	0.1	Partnership
44	Air Conditioner Refrigerant Leak Test During Vehicle Smog Check	H-5	C-180	ARB, BAR	2010	2012	0.5	Partnership
45	Renewables Portfolio Standards (33% by 2020 for IOUs & POUs)	E-3	C-126	CPUC, CEC, ARB	2009	2020	21.3	Various
46	Increasing Combined Heat and Power Use by 30,000 GWh	E-2	C-122	CPUC, CEC, ARB	2009	2020	6.7	Various
47	Regional Transportation-Related Greenhouse Gas Targets	T-3	C-74	ARB, Local Governments, Regional Planning Agencies	Sep-10	Set targets by 2010. Local actions have begun already in some areas	5	Various
48	Energy Efficiency Measures (Electricity)	E-1	C-99	CEC, CPUC, ARB	Ongoing	Through 2020	15.2	Various
49	Energy Efficiency (Natural Gas)	CR-1	C-99	CPUC, CEC, ARB	Ongoing	Through 2020	4.3	Various
50	Local Government Assistance	NA	C-49	ARB, CalTrans, CEC, CTC, HCD, OPR	Ongoing	NA	NA	Various
51	Sustainable Forest Target	F-1	C-166	Board of Forestry and Fire Protection	TBD	TBD	5	Various
52	State Government	NA	C-25	Cal/EPA, ARB, DGS	TBD	Ongoing	1-2**	Various
53	N ₂ O collaborative research	NA	67	ARB	Feb-09	NA	NA	Voluntary
54	Local Government Toolkit	NA	27	ARB	Apr-09	Ongoing	NA	Voluntary
55	Business Toolkit	NA	86	ARB	Apr-09	Ongoing	NA	Voluntary
56	Cargo Handling Equipment- Anti-Idling, Hybrid, Electrification	T-6	C-69	ARB	Nov-09	TBD	3.5*	Voluntary

*All of the T-6 measures together add up to 3.5 MMTCO₂e

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Scoping Plan Measures Implementation Timeline
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57	Goods Movement System-Wide Efficiency Improvements	T-6	C-67	ARB	2010	2010-2015	3.5*	Voluntary
58	Methane Capture at Large Dairies	A-1	C-194	ARB	NA	2020	1**	Voluntary
59	Increase Production and Markets for Compost (studies underway for data development)	RW-3	C-161	CIWMB	Ongoing	2020	2**	Voluntary
60	Greening New and Existing State Buildings	GB-1	C-142	DGS	Ongoing	TBD	TBD	Voluntary
61	Greening Public Schools	GB-1	C-143	DGS	Ongoing	TBD	TBD	Voluntary
62	Forest Conservation, Forest Management, Afforestation/Reforestation, Urban Forestry, and Fuels Management	NA	C-167	Cal Fire	Ongoing	2020	Potentially 2**	Voluntary
63	Extended Producer Responsibility	RW-3	C-162	CIWMB	Pending Legislation	2020	TBD**	Voluntary
64	Commercial Harbor Craft	T-6	C-69	ARB	TBD	TBD	3.5*	Voluntary
65	Commercial Harbor Craft-Maintenance and Design Efficiency	T-6	C-69	ARB	TBD	TBD	3.5*	Voluntary
66	Increasing the Efficiency of Landfill Methane Capture	RW-2	C-160	CIWMB	TBD	2020	TBD**	Voluntary
67	Anaerobic Digestion	RW-3	C-162	CIWMB	TBD	2020	2**	Voluntary
68	Environmentally Preferable Purchasing	RW-3	C-162	CIWMB, DGS	TBD	TBD	TBD**	Voluntary
69	Water System Energy Efficiency	W-3	C-133	CEC, CPUC, DWR, SWRCB	TBD	2020	2**	Voluntary
70	Increase Renewable Energy Production (from Water sector)	W-5	C-135	CEC, CPUC	TBD	2020	0.9**	Voluntary
71	Clean Ships	T-6	C-68	ARB	TBD	TBD	3.5*	Voluntary/Regulation
72	Vessel Speed Reduction	T-6	C-68	ARB	TBD	TBD	3.5*	Voluntary/Regulation
73	Greening New Residential and Commercial Construction	GB-1	C-145	CEC, CPUC, Building Standards Commission	Ongoing	TBD	TBD	Voluntary/Incentive
74	Greening Existing Homes and Commercial Buildings	GB-1	C-146	CEC, CPUC	Ongoing	TBD	TBD	Voluntary/Incentive

*All of the T-6 measures together add up to 3.5 MMTCO₂e

**Not counted toward the 2020 total of 174 MMTCO₂e



COUNTY OF LOS ANGELES
Internal Services Department
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Tom Tindall
Director

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February 23, 2010

To: Each Supervisor

From: Tom Tindall
Director

Tom Tindall

Subject: **ENERGY & ENVIRONMENTAL POLICY TEAM REPORT #7**

This memo provides an update on the accomplishments and activities of the Energy and Environmental Policy Team (Team) created through your Board's approval of the County-wide Energy and Environmental Policy (Policy) on January 16, 2007.

This document also discusses the role of the Team now that a County Office of Sustainability has been established within the Internal Services Department (ISD).

TEAM ORGANIZATION

Under the Policy, the Team was created to investigate and develop energy and environmental programs for implementation in County facilities and operations. The Team also provides support to County departments for programs initiated by the Board, including those that impact constituents County-wide or in County unincorporated areas. It is led by ISD and includes representatives from County Counsel, Chief Executive Office, Public Works, Parks and Recreation, Sheriff's Department, Public Library, Health Services, Public Health, Community and Senior Services, Community Development Commission, Southern California Edison, Southern California Gas Company, and the City of Los Angeles Department of Water & Power.

The Team meets regularly, most recently on January 27, 2010. Working committees have been established within each program area listed below and meet as necessary to accomplish the goals of the Policy.

- Energy and Water Efficiency
- Green Building Operations
- Environmental Stewardship
- Public Education & Outreach

In September 2009, your Board approved the creation of a County Office of Sustainability (COS) within ISD to respond to legislation, regulation, and policy related to climate change, and to coordinate energy efficiency, conservation, and sustainability programs within the County and the region.

ISD is also administering American Recovery and Reinvestment Act (ARRA) grants related to County-wide energy efficiency programs, including \$15.4 million from the formula-allocated Energy Efficiency and Conservation Block Grant (EECBG). Under the EECBG award, ISD is responsible for:

- Establishing Environmental Service Centers in County unincorporated areas
- Implementing a Property-Assessed Clean Energy financing program (under AB 811)
- Continuing the Energy Efficiency Retrofit and Building Retro-commissioning Program for County buildings
- Providing outreach and education for the County's Green Building Program
- Assisting with the development of a Regional Climate Action Plan

As noted by both Team members and Board staff, there is a large degree of overlap between the responsibilities of the ISD's COS and the Team. Thus, ISD will recommend that we assume all of the functions previously assigned to the Team. That is, ISD will inform departments, the CEO and the Board of the status of environmental and energy efficiency initiatives through regular meetings, semi-annual reports, and updates to an improved <http://green.lacounty.gov> website.

ISD is preparing a draft revised County Energy and Environmental Policy (Policy) to eliminate the Team and assume its functions. Unless your Board provides an alternative direction, ISD plans to submit the revised Policy for your Board's consideration in April 2010.

RECENT ACCOMPLISHMENTS

The most recent Energy and Environmental Policy Team report was issued on August 27, 2009. Since that report, we have accomplished the following significant activities:

- Public Works and ISD received a Quality and Productivity Commission Productivity Investment Fund grant and loan to certify their respective headquarters buildings under LEED EBOM (Existing Building - Operations and Maintenance) guidelines. Efforts are underway to achieve LEED EBOM certification by March 2011. A planned outcome of this effort is that ISD will develop certain County green building policy standards that meet LEED EBOM requirements for use in all County buildings. The certification of ISD's headquarters building is on track for meeting the original objective of certification

at the silver level. Public Works is pursuing more green building points than initially planned, and will also likely achieve LEED certification at the silver level.

- As part of the LEED EBOM certification process for both buildings, training will be held to promote sustainable construction and building operations for building management staff from other County departments. More than 75 staff persons will learn about these green building standards. An educational provider will be contracted in March 2010, with training sessions to start in April 2010.
- A portion of the EECBG funds (approximately \$1 million) has been allocated for providing public education and outreach about the County's Green Building Program, which includes new adoption of new building ordinances for new residential and commercial buildings. These funds will be used to provide industry stakeholder and constituent outreach, and to offer training for County staff on Program requirements and implementation. On December 14, 2009, approximately 160 staff persons from Regional Planning and Public Works attended a training session. This first training session provided an overview of green building and sustainable development fundamentals.
- The Los Angeles Regional Collaborative (LARC) for Climate Action and Sustainability will oversee the creation of a County-wide Climate Action Plan. The LARC, which includes members from local jurisdictions, public agencies, non-profit organizations, and universities, has formed a Regional Climate Action Planning Committee to guide the drafting of a scope of work for the Climate Action Plan and regional adaptation model. The Committee has begun to evaluate various emissions inventory and projection protocols, and will soon create a solicitation document to contract for this work. ISD represents the County on the LARC and on the Committee.
- ISD is managing AB 811 Program development. Under AB 811, counties and cities can provide municipal financing for energy efficiency and renewable energy projects on private property. The financing remains with the property if it is sold and is repaid through a line-item assessment on the property tax bills. In November 2009, the County hired a consultant team to design, implement, and administer the AB 811 Program. ISD, the Treasurer and Tax Collector, and the CEO have been providing monthly updates to your Board on this very important program. The latest update is attached.
- The formula-allocated EECBG includes the establishment of Environmental Service Centers across the County to provide information, materials, and resources to constituents on a variety of energy and environmental programs. ISD is now working with the consultant team hired to implement EECBG programs on the Environmental Service Center program design and implementation plan. In November, 2009, ISD provided the Board with an

update on the Environmental Service Centers proposal and its implementation. On December 16, 2009, ISD met with the deputies from all five supervisorial districts, plus stakeholders from Public Works and Regional Planning, to discuss the program status. On January 27, 2010, ISD met with Public Works' Environmental Programs Division to coordinate their efforts with the Environmental Service Centers.

- ISD will expand and enhance the Energy and Environmental website <http://green.lacounty.gov>. This website will be used as one of the major outreach components for the Environmental Service Centers and the AB 811 Program, as well as an internal resource to access status reports on energy and environmental policy issues.

ISD will continue to support County programs that are led by other organizations. These include:

- Developing programs to limit or ban the use of polystyrene food containers and plastic bags (led by the CEO and Public Works);
- Implementing the Green Building Program for private development in unincorporated County (led by Regional Planning and Public Works);
- Implementing the County Capital Project Program to certify new County buildings (>10,000 square feet) at the United States Green Building Council's LEED silver level.

Further details on all energy and environmental activities described above are included as attachments and may be found at <http://green.lacounty.gov>. If you have any questions, please contact me at (323) 267-2101 or Howard Choy at (323) 881-3939.

TT:HC:MB:LR
Attachment(s)

c: William T Fujioka, CEO
Ellen Sandt, DCEO
Lari Sheehan, DCEO
ISD Board Deputies
Each Department Head



TOM TINDALL
Director

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"To enrich lives through effective and caring service"

February 22, 2011

To: Each Supervisor

From: Tom Tindall
Director

Subject: **ENERGY & ENVIRONMENTAL POLICY REPORT #9**

This memo provides an update on the accomplishments and activities under the County-wide Energy and Environmental Policy (Policy) that your Board approved on January 16, 2007.

This report also discusses the County Office of Sustainability (COS) within the Internal Services Department (ISD) and its relationship to the Policy.

TEAM ORGANIZATION

Under the Policy, the Energy and Environmental Team (Team) was created to investigate and develop energy and environmental programs for implementation in County facilities and operations. The Team provided support to County departments for programs initiated by the Board, including those that impact constituents County-wide or in County unincorporated areas.

In September 2009, your Board approved the creation of a County Office of Sustainability within ISD to respond to legislation, regulation, and policy related to climate change, and to coordinate energy efficiency, conservation, and sustainability programs within the County and the region. ISD is also administering American Recovery and Reinvestment Act (ARRA) grants related to County-wide energy efficiency programs, including:

- \$15.4 million from the formula-allocated Energy Efficiency and Conservation Block Grant (EECBG);
- \$8 million from the California Energy Commission's (CEC) Energy Efficiency and Conservation Block Grant funds;
- \$14 million from the \$30 million competitive Energy Efficiency and Conservation Block Grant, termed Better Buildings Program, awarded to the County and three other California regional entities.

Our most recent semi-annual status report was issued on August 16, 2010. In that report, we noted a large degree of overlap between the responsibilities of the COS and the Team. We recommended that all functions previously assigned to the Team be absorbed by the ISD. In October 2010, the Executive Office submitted a request to the Board and the Audit Committee to revise the Policy to reflect this change. The Audit Committee met on February 17, 2011 and approved the revised Policy, providing authorization for ISD to absorb the duties previously assigned to the Team.

ISD will continue to inform your Board, the CEO, and departments of the status of environmental and energy efficiency initiatives through periodic meetings, semi-annual reports, and updates to an improved and expanded <http://green.lacounty.gov> website.

RECENT ACCOMPLISHMENTS

The following is a summary of significant activities and accomplishments since our August 2010 report.

- A portion of the formula-allocated EECBG funds have been designated to develop, implement and administer the Los Angeles County Energy Program (LACEP), a comprehensive home energy retrofit program. In an effort to coordinate with other State-wide and local efforts, LACEP has been rebranded as Energy Upgrade California in Los Angeles County (EUC-LAC). EUC-LAC does not currently include a residential Property Assessed Clean Energy (PACE) financing program due to complications at the Federal level, as detailed to your Board in a report dated July 22, 2010. Although residential PACE is on hold, under EUC-LAC financing tools will be made available to homeowners who undertake energy upgrades. The County is working with the local investor owned utilities (Southern California Edison and Southern California Gas Company), the municipally owned utilities, cities within the County, and various other stakeholder groups to ensure the success of EUC-LAC. ISD is overseeing various marketing, outreach, participant recruitment, workforce development, incentive, and administration efforts associated with EUC-LAC. More information about the State-wide effort is at www.energyupgradecalifornia.com. More information about County-specific efforts can be found at www.lacountyenergyprogram.org.

ISD and the Treasurer & Tax Collector (TTC) are working with the City of Los Angeles (City) to develop a County-wide non-residential PACE program. The City is using a grant from the California Energy Commission (CEC) to develop a City-wide PACE program targeting commercial buildings. ISD and TTC are implementing the City's program under the County's adopted PACE documentation. ISD and TTC will work with the City to expand the program throughout the rest of the County.

- On June 15, 2010, your Board authorized the acceptance of \$8 million via an intergovernmental contract with the CEC, and delegated authority to ISD to administer the associated contract. These funds leverage other grant monies by augmenting the marketing and workforce development components of EUC-LAC. Under the CEC funding, ISD is working to expand comprehensive marketing efforts into cities throughout the County by working with the Councils of Governments and directly with other local governments. Scholarships for contractors and other eligible professionals will be provided under this funding to incentivize the local workforce to obtain additional skills and certifications that support EUC-LAC.
- On May 25, 2010, your Board authorized the acceptance of \$30 million of Competitive EECBG funds, under the Better Buildings Program, from the Department of Energy (DOE) and delegated authority to ISD to administer the associated contract. The County will serve as the prime recipient of this award, for itself and three other regional entities, and is responsible for overall program administration. Under the Better Buildings Program, the County and its other regional partners are developing and implementing innovative pilot programs with the goal of encouraging and tracking energy efficiency retrofit projects across the State. The County's \$14 million share of the award will serve to supplement existing funds to expand the marketing, outreach, workforce development, and monitoring efforts being implemented under EUC-LAC.
- The formula allocated EECBG includes funds to establish Environmental Service Centers around the County to provide information, materials, and resources to constituents about a range of County and non-County programs. The contractor team hired to implement EECBG programs has created an Environmental Service Center program proposal and marketing plan, and portable kiosks and displays are being created. The contractor will also provide a dedicated half-time staff person to service the displays as EUC-LAC launches to the public. ISD has established information centers in field offices in each of the five supervisorial districts, to include literature racks containing information about various County, utility, and other environmental programs. Field office staff have been trained to assist constituents in finding information about the various programs.
- A portion of the formula-allocated EECBG funds have been allocated for support of the County's Green Building Program. These funds will be used to provide industry stakeholder and constituent outreach, as well as training for County staff related to Program requirements and implementation. On May 12, 2010, the Green Building Program Implementation Task Force submitted its first annual Report to the Board of Supervisors responding to questions posed by the Board and outlining recommended changes to the ordinances.

ISD is currently competitively soliciting vendors for the staff training and stakeholder outreach services to support the Program.

- The Los Angeles Regional Collaborative (LARC) for Climate Action and Sustainability will use a portion of the County's formula-allocated EECBG to oversee the creation of a Regional Climate Action Plan (RCAP) for the County. The LARC, which includes members from local jurisdictions, public agencies, non-profit organizations, and universities, formed a Regional Climate Action Planning Committee to outline work to be completed as part of the RCAP, help define analysis parameters as the project gets underway, and participate in on-going coordination efforts. A scope for the greenhouse gas emissions inventory has been finalized and data collection and initial analysis has begun. More information about the LARC and the RCAP can be found at <http://www.laregionalcollaborative.org>.
- ISD and the CIO have completed an online Solar Map which provides building owners in the County with information about solar power installations: <http://solarmap.lacounty.gov>. The Solar Map utilizes data from the CIO's latest aerial imagery mapping project and solar power estimation software to provide preliminary cost and savings information from a solar power project, installation details and resources for information about solar technology. In January 2010, the Solar Map was awarded a Best in California Award for Green Information Technology. Staff is utilizing formula-allocated EECBG funds to enhance the Solar Map by increasing the map's functionality, creating new user-facing tools, and providing a Spanish language version of the site.
- To comply with Assembly Bill (AB) 32, ISD has prepared a Municipal Greenhouse Gas Emissions Inventory (Inventory) to support the development of an Emissions Reduction Plan for all County operations. The Inventory includes municipal greenhouse gas emissions from operations measured for the year 2009, and projects a "Business As Usual" forecast for 2020. Together, these will aid the County to identify strategies to reduce internal operations emission by 15% by 2020 and ensure the County's compliance with AB 32. The County is preparing an Emissions Reduction Plan, which will be completed by July 2011.
- Both ISD and Public Works received Quality and Productivity Commission Investment Fund grants and loans to certify their respective headquarters buildings under LEED Existing Building - Operations and Maintenance (EBOM) guidelines. Efforts are underway to achieve LEED EBOM certification by June 2011. ISD is on target to receive a LEED Silver certification and DPW will likely achieve LEED Certified level status.

Both ISD and Public Works have submitted their applications to the US Green Building Council (USGBC) for review and are anticipating responses shortly. ISD is also developing building operation policies and standards that are consistent with LEED EBOM requirements for use in all County buildings.

- As part of the LEED EBOM certification process for both buildings, staff training sessions are being held to promote the value of sustainable construction and building operations. Trainings were organized into three levels to serve at least 75 staff persons from various departments. ISD is planning to offer additional classes throughout 2011.
- ISD has been awarded \$1 million under Southern California Edison's (SCE) Long-Term Energy Efficiency Strategic Planning grant program. Under this program, ISD will use funding, in combination with approximately \$3 million received by other cities in SCE service territory, to expand the Enterprise Energy Management Information System (EEMIS – ISD's internet-based, real-time energy management program) for use by other local governments. Expanding EEMIS to other cities will spread energy management expertise across the region, reduce ISD's annual EEMIS operating costs, and generate revenues for ISD technical support and consulting services.
- ISD is working to expand and enhance the County's Energy and Environmental website <http://green.lacounty.gov>. This website is a major outreach component for County programs, as well as a forum for interdepartmental communication and collaboration. The new design of the website has been finalized and staff is working to create the new pages and content. The enhancements currently underway will serve to improve the website's user-friendliness and update its design.
- The Team continues to support a variety of County programs that are led by other organizations. These include:
 - Developing programs to limit or ban the use of polystyrene food containers and plastic bags (led by the CEO and Public Works);
 - Implementing the Green Building Program and participating in the Green Building Program Implementation Task Force (led by Regional Planning and Public Works);
 - Implementing the County Capital Project Program to certify new County buildings (>10,000 square feet) at the United States Green Building Council's LEED Silver level;

Each Supervisor
February 22, 2011
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- Offering feasibility assessments to facilities contemplating LEED certification.

Further details on the Team activities described above are included as attachments and may be found at <http://green.lacounty.gov>. If you have any questions, please contact me at (323) 267-2101 or Howard Choy at (323) 881-3939.

TT:JJ:LR

c: William Fujioka, CEO
Ellen Sandt, DCEO
ISD Board Deputies
Each Department Head